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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b>                               | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                      | <b>Range of Testing / Limits of Detection</b> |
|--------------------------------------------|-----------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>I. FOOD &amp; AGRICULTURAL PRODUCTS</b> |                                   |                                |                                                                                                         |                                               |
| <b>1.</b>                                  | <b>Animal Feeds</b>               | Moisture                       | GAFTA 130:2:2 -2005 /<br>AOAC 934.01, 19 <sup>th</sup> edition /<br>IS 7874:PART I:1975<br>(Reaff.1991) | 1.0 – 25 g/100g                               |
|                                            |                                   | Crude Protein                  | GAFTA 130:4:0 -2003 /<br>AOAC 984.13, 19 <sup>th</sup> edition /<br>IS 7874:PART I:1975<br>(Reaff.1991) | 1.0 – 80 g/100g                               |
|                                            |                                   | Crude fat                      | GAFTA 130:3:0 -2003 /<br>AOAC920.39, 19 <sup>th</sup> edition /<br>IS 7874:PART I:1975<br>(Reaff.1991)  | 0.1 – 25 g/100g                               |
|                                            |                                   | Crude fibre                    | GAFTA 130:10:0 -2005 /<br>AOAC962.09 19 <sup>th</sup> edition /<br>IS 7874:PART I:1975<br>(Reaff.1991)  | 1.0- 25 g/100g                                |
|                                            |                                   | Dietary Fibre                  | AOAC 985.29 , 19 <sup>th</sup> edition                                                                  | 0.5-80g/100g                                  |
|                                            |                                   | Total ash                      | GAFTA 130:12:0 -2003 /<br>AOAC942.05 19 <sup>th</sup> edition /<br>IS 7874:PART I:1975<br>(Reaff.1991)  | 0.1 – 15 g/100g                               |
|                                            |                                   | Acid insoluble ash             | GAFTA 130:13:0 -2003 /<br>IS 7874:PART I:1975<br>(Reaff.1991)                                           | 0.1 – 15 g/100g                               |
|                                            |                                   | Phosphorous                    | GAFTA 130:9:0 -2003 /<br>AOAC965.17 19 <sup>th</sup> edition /<br>IS 7874 Part 2:1975 (Reaff.1991)      | 0.05 – 5 g/100g                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Animal Feeds</b>               | Urease activity                | GAFTA 130:27:0 -2003 / AOCS Ba 9-58, 6 <sup>th</sup> Edition 2009                       | 0.1-13 mgN/g/min at 30°C                      |
|              |                                   | Salt as NaCl                   | IS 7874 Part 2:1975 (Reaff. 2004)                                                       | 0.1 – 15 g/100g                               |
|              |                                   | Sulphite/Sulphur dioxide       | AOAC 990.28, 19 <sup>th</sup> edition                                                   | 10.0-500 mg/Kg                                |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/Kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Animal Feeds</b>               | Vitamin C                      | AOAC 985.33, 19 <sup>th</sup> edition                                                                                | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC 942.23, 19 <sup>th</sup> edition                         | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC 970.65, 19 <sup>th</sup> edition                          | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC 975.41, 19 <sup>th</sup> edition                          | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC 985.32, 19 <sup>th</sup> edition                          | 0.5-100 mg/100g                               |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC 992.04, 19 <sup>th</sup> edition                          | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19 <sup>th</sup> edition                         | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Animal Feeds</b>               | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1.0-500 mg/kg                                 |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICPOES   | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Animal Feeds</b>               | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5 mg/kg                                   |
|              |                                   | Iodine                         | SO-GUML-CTS-C01-QU-024 / version no 1.0/28.11.2013 /BS:EN 15111:2007(E)                                            | 5-500 µg/100g                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>      | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>           | <b>Range of Testing / Limits of Detection</b> |
|--------------|----------------------------------------|--------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|
| <b>2.</b>    | <b>Oils, Fats and Related Products</b> | Moisture and volatile matter   | AOCS Ca 2c-25, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)  | 0.01 – 1g/100g                                |
|              |                                        | Acid value                     | AOCS Cd 3d-63, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)  | 0.5 – 10                                      |
|              |                                        | Free fatty acids               | AOCS Ca 5a-40, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)  | 0.05 - 2 g/100g                               |
|              |                                        | Unsaponifiable matter          | AOCS Ca 6a-40, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)  | 0.01 – 5 g/100g                               |
|              |                                        | Specific gravity               | AOCS Cc 10a-25, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006) | 0.85 – 0.95                                   |
|              |                                        | Mass per unit volume           | AOCS Cc 10c-95, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006) | 0.85 – 0.95                                   |
|              |                                        | Iodine value                   | AOCS Cd 1-25, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)   | 7 to 150                                      |
|              |                                        | Saponification value           | AOCS Cd 3-25, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)   | 150 – 300                                     |
|              |                                        | Peroxide value                 | AOCS Cd 8-53, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)   | 1 – 100 milli eq./1000g                       |
|              |                                        | Melting point                  | AOCS Cc 3-25, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)   | 10 - 50°C                                     |
|              |                                        | Butyro Refractometer Reading   | IS:548 (P-I)1964 (Reaff 2006)                                                | 40 – 45                                       |
|              |                                        | Richert Missel value           | AOCS Cd 4-40, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)   | 1 – 40                                        |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>      | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>            | <b>Range of Testing / Limits of Detection</b> |
|--------------|----------------------------------------|--------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Oils, Fats and Related Products</b> | Polensky value                 | AOCS Cd 4-40, 6 <sup>th</sup> Edition 2009 / IS:548 (P-I)1964 (Reaff 2006)    | 1 – 5                                         |
|              |                                        | Adulteration                   | IS 548 (P-II) : 1964 (Reaff.2006)                                             | Present/Absent                                |
|              |                                        | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                    | 0.1-100 g/100g                                |
|              |                                        | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                    | 0.1-100 g/100g                                |
|              |                                        | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                    | 0.1-100 g/100g                                |
|              |                                        | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                    | 0.1-100 g/100g                                |
|              |                                        | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                         | 1.0-50 mg/100g                                |
|              |                                        | Vitamin A                      | SO-GUML-CTS-C01-QU-015/ version no 2.0/24.05.2013, AOAC 992.04, 19th edition  | 50-444 IU/100g                                |
|              |                                        | Vitamin E                      | SO-GUML-CTS-C01-QU-013/ version no 2.0/24.05.2013, AOAC 971.30 , 19th edition | 0.5-16 mg/100g                                |
| <b>3.</b>    | <b>Oil Seeds &amp; By-Products</b>     | Damaged & Weevilled Seeds      | IS 4618: 1968 (Reaff. 2000)                                                   | 0.02- 10.0g/100g                              |
|              |                                        | Slightly Damaged Seeds         | IS 3579: 1966 (Reaff. 1980)                                                   | 0.02- 10.0g/100g                              |
|              |                                        | Shriveled & Immature Seeds     | IS 3579: 1966 (Reaff. 1980)                                                   | 0.02- 10.0g/100g                              |
|              |                                        | Impurities                     | IS 3579: 1966 (Reaff. 1980)                                                   | 0.02- 10.0g/100g                              |
|              |                                        | Moisture                       | IS 3579: 1966 (Reaff. 1980)                                                   | 0.02- 50.0g/100g                              |
|              |                                        | Oil Content                    | IS 3579: 1966 (Reaff. 1980)                                                   | 0.2 - 90.0g/100g                              |
|              |                                        | Acid value of extracted fat    | IS 3579: 1966 (Reaff. 1980)                                                   | 0.1- 10.0g/100g                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>  | <b>Specific Test Performed</b>                            | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Oil Seeds &amp; By-Products</b> | Aflatoxin B1                                              | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                    | Aflatoxin B2                                              | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
|              |                                    | Aflatoxin G1                                              | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                    | Aflatoxin G2                                              | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
| <b>4.</b>    | <b>Tea and Tea Products</b>        | Water extract                                             | AOAC 920.104 , 19 <sup>th</sup> edition /<br>IS 13862:1999/ ISO 9768:1994                    | 0.5 – 50 g/100g                               |
|              |                                    | Total ash                                                 | AOAC 920.100 A, 19 <sup>th</sup> edition /<br>IS 13854 :1994/ISO 1575 :1987                  | 1.0 – 20 g/100g                               |
|              |                                    | Water soluble ash of total ash                            | AOAC 920.100 B, 19 <sup>th</sup> edition /<br>IS 13855 : 1993/ISO 1576:1988                  | 1.0 – 60 g/100g                               |
|              |                                    | Alkalinity of water -soluble ash<br>(as K <sub>2</sub> O) | AOAC 920.100 C, 19 <sup>th</sup> edition /<br>IS 13856 : 1993 /ISO 1578:1975                 | 1.0 – 5 g/100g                                |
|              |                                    | Acid insoluble ash                                        | AOAC 920.100 E, 19 <sup>th</sup> edition /<br>IS 13857:1993/ISO 1577:1987                    | 0.1 – 10 g/100g                               |
|              |                                    | Crude fiber                                               | AOAC 920.102 / IS 10226 Part I<br>:1982 /ISO 5498:1981                                       | 0.1 – 50 g/100g                               |
|              |                                    | Caffeine                                                  | AOAC 925.17,19 <sup>th</sup> edition                                                         | 0.1 - 50 g/100g                               |



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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Tea and Tea Products</b>       | Moisture                       | IS 13853:1994 / ISO 1573:1980 (Reaff.1999)                                              | 0.1-20 g/100g                                 |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition  | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition  | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition  | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition  | 0.5-36 µg/kg                                  |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03,19 <sup>th</sup> edition                                                    | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| <b>5.</b>    | <b>Sugar and by products</b>      |                                |                                                                    |                                               |
| <b>a.</b>    | <b>Raw Sugar</b>                  | Polarization                   | ICUMSA-GS1/2/3/9-1(2009)                                           | 95 - 100 °Z                                   |
|              |                                   | Reducing sugar                 | ICUMSA-ICUMSA-GS1-5(2009)                                          | 0.01 – 0.1g/100g                              |
|              |                                   | Solution colour at pH 7        | ICUMSA-ICUMSA-GS1/3-7(2002)                                        | 5 - 4200 IU                                   |
|              |                                   | Moisture                       | ICUMSA-GS2/1/3/9-15(2007)                                          | 0.01 – 1g/100g                                |
|              |                                   | Sulphated ash                  | ICUMSA-GS1-10(1998)                                                | 0.01 – 0.8 g/100g                             |
|              |                                   | Conductivity ash               | ICUMSA-GS1/3/4/7/8-13(1994)                                        | 0.05 – 20 %                                   |
|              |                                   | pH                             | ICUMSA-GS1/2/3/4/7/8/9-23 (2009)                                   | 1.0-14.0                                      |
|              |                                   | Mean aperture                  | ICUMSA-GS2/9-37(2007)                                              | 45 µ - 2.38 mm                                |
| <b>b.</b>    | <b>White Sugar</b>                | Polarization                   | ICUMSA-GS2/3-10(2007)                                              | 95 - 100 °Z                                   |
|              |                                   | Reducing sugar                 | ICUMSA-GS2/9-6(2007)                                               | 0.01 – 0.1g/100g                              |
|              |                                   | Solution colour at pH7         | ICUMSA-GS2/3-9(2005)                                               | 5 – 600 IU                                    |
|              |                                   | Solution colour                | ICUMSA-GS2/3-10(2007)                                              | 5 – 200 IU                                    |
|              |                                   | Moisture                       | ICUMSA-GS2/1/3/9-15(2007)                                          | 0.01- 0.5 g/100g                              |
|              |                                   | Conductivity ash               | ICUMSA-GS2/3-17(2002)                                              | 0.02 – 0.5 %                                  |
|              |                                   | Turbidity of solution          | ICUMSA-GS2/3/18(2007)                                              | 10-50 IU                                      |
|              |                                   | Insoluble matter               | ICUMSA-GS2/3/9-19(2007)                                            | 0.01-5.0 g/100g                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>  | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>White Sugar</b>                 | Sulphite                       | ICUMSA-GS2/1/7-33(2009)                                            | 2.0-200 mg/kg                                 |
|              |                                    | pH                             | ICUMSA-GS1/2/3/4/7/8/9-23 (2009)                                   | 1.0-14.0                                      |
|              |                                    | Mean aperture                  | ICUMSA-GS2/9-37(2007)                                              | 45 µ - 2.38 mm                                |
|              |                                    | Particle size distribution     | ICUMSA-GS2/9-37(2007)                                              | Qualitative                                   |
|              |                                    | 10 day Acid beverage floc      | ICUMSA-GS2/3-40(2007)                                              | Present/absent                                |
| <b>c.</b>    | <b>Liquid glucose</b>              | Dextrose Equivalent            | IS 873 : 1974 (Reaff. 2011)                                        | 20 - 60 g/100g                                |
|              |                                    | Total solids                   | IS 873 : 1974 (Reaff. 2011)                                        | 1.0 - 95 g/100g                               |
|              |                                    | pH                             | IS 873 : 1974 (Reaff. 2011)                                        | 1.0 - 14.0                                    |
|              |                                    | Ash                            | IS 873 : 1974 (Reaff. 2011)                                        | 0.02 - 5.0 g/100g                             |
|              |                                    | Sulfur-dioxide                 | IS 873 : 1974 (Reaff. 2011)                                        | 10.0 – 500 mg/Kg                              |
| <b>d.</b>    | <b>Molasses</b>                    | Inverted sugar                 | AOAC 968.28, 19 <sup>th</sup> Edition                              | 30 – 60 g/100g                                |
|              |                                    | Specific gravity               | AOAC 970.56, 19 <sup>th</sup> Edition                              | 0.85 – 1.50                                   |
| <b>6.</b>    | <b>Starch and Starchy Products</b> | Moisture                       | IS 4706 : 1978 (P-II) (Reaff. 2010)                                | 1.0 – 80.0g/100g                              |
|              |                                    | Cold water soluble             | IS 4706 : 1978 (P-II) (Reaff. 2010)                                | 1.0 – 100.0g/100g                             |
|              |                                    | Total Ash                      | IS 4706 : 1978 (P-II) (Reaff. 2010)                                | 0.1 - 50.0 g/100g                             |
|              |                                    | Acid Insoluble ash             | IS 4706 : 1978 (P-II) (Reaff. 2010)                                | 0.01 - 50.0g/100g                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>      | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|----------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Starch and Starchy Products</b>     | Sulphated ash                  | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.1 - 50.0 g/100g                             |
|              |                                        | Starch                         | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.1 - 85.0 g/100g                             |
|              |                                        | Crude Fibre                    | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.1 - 50.0 g/100g                             |
|              |                                        | Crude Protein                  | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.3 - 70.0 g/100g                             |
|              |                                        | Sulphur dioxide                | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 10.0-500 mg/kg                                |
|              |                                        | Free acidity                   | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.1 - 20.0 g/100g                             |
|              |                                        | Alcoholic acidity              | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 0.01-2.0 g/100g                               |
|              |                                        | pH                             | IS 4706 : 1978 (P-II)<br>(Reaff. 2010)                             | 1.0 -14.0                                     |
| <b>7.</b>    | <b>Cereals, Pulses and by-products</b> |                                |                                                                    |                                               |
| <b>a.</b>    | <b>Wheat Atta</b>                      | Total ash                      | IS 1155:1968 (Reaff:2005)                                          | 0.05 – 10 g/100g                              |
|              |                                        | Crude fibre                    | IS 1155:1968 (Reaff:2005)                                          | 0.2 – 5 g/100g                                |
|              |                                        | Gluten                         | IS 1155:1968 (Reaff:2005) /<br>GAFTA 130: 34:1-2003                | 1.0 – 35 g/100g                               |
|              |                                        | Granularity                    | IS 1155:1968 (Reaff:2005)                                          | 0.1-99.0 g/100g                               |
|              |                                        | Wet Gluten                     | IS 8162:1998/ISO 5531:1978                                         | 5-40 g/100g                                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>    | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Wheat Atta</b>                 | Moisture                          | IS 1155:1968 (Reaff:2005) / GAFTA 130: 2:1-2005                                         | 0.1 – 20 g/100g                               |
|              |                                   | Protein                           | IS 1155:1968 (Reaff:2005) / GAFTA 130: 4:0-2003                                         | 1.0– 20.0 g/100g                              |
|              |                                   | Alcoholic acidity                 | IS 1155:1968 (Reaff:2005)                                                               | 0.01-2.0 g/100g                               |
|              |                                   | Acid insoluble ash                | IS 1155:1968 (Reaff:2005)                                                               | 0.01 – 5.0 g/100g                             |
|              |                                   | Sedimentation Index (Zeleny test) | IS 13864:1993 ( Reaff:2010) / ISO 5529:1992                                             | 5 - 30 ml                                     |
|              |                                   | Saturated fat                     | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100 g/100g                                |
|              |                                   | Monounsaturated fat               | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100 g/100g                                |
|              |                                   | Polyunsaturated fat               | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100 g/100g                                |
|              |                                   | Trans Fat                         | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100 g/100g                                |
|              |                                   | Cholesterol                       | AOAC 994.10, 19 <sup>th</sup> Edition                                                   | 1.0-50 mg/100g                                |
|              |                                   | Hypericine                        | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid                  | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                       | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |
|              |                                   | Saffrole                          | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Wheat Atta</b>                 | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
|              |                                   | Vitamin C                      | AOAC 985.33,19 <sup>th</sup> edition                                                         | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC<br>942.23, 19th edition          | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC<br>970.65, 19th edition           | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC<br>975.41, 19th edition           | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC<br>985.32, 19th edition           | 0.5-100 mg/100g                               |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC<br>992.04, 19th edition           | 50-444 IU/100g                                |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Wheat Atta</b>                 | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19th edition                                     | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1.0-500 mg/kg                                 |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Wheat Atta</b>                 | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>17 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Wheat Atta</b>                 | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5 mg/kg                                   |
| <b>b.</b>    | <b>Guar Gum</b>                   | Moisture                       | IS 3988:1981 (Reaff. 2001)                                                                                         | 0.1 - 25.0 g/100g                             |
|              |                                   | Ash                            | IS 3988:1981 (Reaff. 2001)                                                                                         | 0.1 - 10.0 g/100g                             |
|              |                                   | Protein                        | IS 3988:1981 (Reaff. 2001)                                                                                         | 0.2 - 50.0 g/100g                             |
|              |                                   | Residue insoluble in acid      | IS 3988:1981 (Reaff. 2001)                                                                                         | 0.1 - 5.0 g/100g                              |
|              |                                   | Gum                            | IS 3988:1981 (Reaff. 2001)                                                                                         | 1.0 - 60.0 g/100g                             |
|              |                                   | Viscosity                      | IS 3988:1981 (Reaff. 2001)                                                                                         | 1 - 50000 Cp                                  |
|              |                                   | pH                             | IS 3988:1981 (Reaff. 2001)                                                                                         | 1.0 - 14.0                                    |
|              |                                   | Starch                         | IS 3988:1981 (Reaff. 2001)                                                                                         | Present/Absent                                |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition                             | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07,19 <sup>th</sup> edition                             | 0.5-36 µg/kg                                  |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>18 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                             | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Guar Gum</b>                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition                                   | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition                                   | 0.5-36 µg/kg                                  |
|              |                                   | Vitamin C                      | AOAC 985.33,19 <sup>th</sup> edition                                                                                           | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC<br>942.23, 19th edition                                            | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC<br>970.65, 19th edition                                             | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC<br>975.41, 19th edition                                             | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC<br>985.32, 19th edition                                             | 0.5-100 mg/100g                               |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC<br>992.04, 19th edition                                             | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC<br>971.30 , 19th edition                                            | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ version no<br>2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>19 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Guar Gum</b>                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1.0-500 mg/kg                                 |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>20 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Guar Gum</b>                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5mg/kg                                    |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5mg/kg                                    |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>21 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>        | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>c.</b>    | <b>Maida</b>                      | Moisture                              | IS 1009:1979 (Reaff 2005)                                                               | 0.1 – 20.0 g/100g                             |
|              |                                   | Total ash                             | IS 1009:1979 (Reaff 2005)                                                               | 0.05 – 10.0 g/100g                            |
|              |                                   | Acid insoluble ash                    | IS 1009:1979 (Reaff 2005)                                                               | 0.01 – 5.0 g/100g                             |
|              |                                   | Gluten                                | IS 1009:1979 (Reaff 2005)                                                               | 1.0 – 35 g/100g                               |
|              |                                   | Granularity                           | IS 1009:1979 (Reaff 2005)                                                               | 0.1-99.0 g/100g                               |
|              |                                   | Alcoholic acidity                     | IS 1009:1979 (Reaff 2005)                                                               | 0.01-2.0 g/100g                               |
|              |                                   | Maltose                               | AOAC 939.03, 19 <sup>th</sup> edition                                                   | 1.0 – 35 g/100g                               |
|              |                                   | Sugar (Reducing & Non-reducing sugar) | AOAC 939.03, 19 <sup>th</sup> edition                                                   | 1.0 – 10 g/100g                               |
|              |                                   | Saturated fat                         | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat                   | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat                   | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                             | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                           | AOAC 994.10, 19 <sup>th</sup> Edition                                                   | 1.0-50 mg/100g                                |
|              |                                   | Hypericine                            | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid                      | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                           | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>22 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                            | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Maida</b>                      | Saffrole                       | SO-GUML-CTS-C01-QU-021/<br>version no 2.0/28.08.2013,<br>AOAC969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition  | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition  | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition  | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition  | 0.5-36 µg/kg                                  |
|              |                                   | Vitamin C                      | AOAC 985.33,19 <sup>th</sup> edition                                                          | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC<br>942.23, 19th edition           | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC<br>970.65, 19th edition            | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC<br>975.41, 19th edition            | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC<br>985.32, 19th edition            | 0.5-100 mg/100g                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>23 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Maida</b>                      | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC 992.04, 19th edition                                         | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19th edition                                        | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1-500 mg/kg                                   |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>24 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Maida</b>                      | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |



|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>25 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Maida</b>                      | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5 mg/kg                                   |
| <b>d.</b>    | <b>Suji/ Rava</b>                 | Moisture                       | IS 1010 : 1968 (Reaff 2005)                                                                                        | 0.1 – 20.0 g/100g                             |
|              |                                   | Total ash                      | IS 1010 : 1968 (Reaff 2005)                                                                                        | 0.05 – 10.0 g/100g                            |
|              |                                   | Acid insoluble ash             | IS 1010 : 1968 (Reaff 2005)                                                                                        | 0.01 – 5 g/100g                               |
|              |                                   | Alcoholic acidity              | IS 1010 : 1968 (Reaff 2005)                                                                                        | 0.01-0.50 g/100g                              |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                              | 1.0 -50 mg/100g                               |
|              |                                   | Aflatoxin B1                   | AOAC 999.07,19 <sup>th</sup> edition                                                                               | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | AOAC 999.07,19 <sup>th</sup> edition                                                                               | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | AOAC 999.07,19 <sup>th</sup> edition                                                                               | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | AOAC 999.07,19 <sup>th</sup> edition                                                                               | 0.5-36 µg/kg                                  |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>26 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Suji/ Rava</b>                 | Vitamin C                      | AOAC 985.33, 19 <sup>th</sup> edition                                                                                | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC 942.23, 19th edition                                     | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC 970.65, 19th edition                                      | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC 975.41, 19th edition                                      | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC 985.32, 19th edition                                      | 0.5-100 mg/100g                               |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC 992.04, 19th edition                                      | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19th edition                                     | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>27 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Suji/ Rava</b>                 | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1.0-500 mg/kg                                 |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>28 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Suji/ Rava</b>                 | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5 mg/kg                                   |
| <b>e.</b>    | <b>Food Grains</b>                | Refraction                     | IS 4333 (P-I):1996 (Reaff 2009) / ISO 5527:1995 (E/F)                                                              | 0.1 - 50.0 g/100g                             |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>29 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                             | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Food Grains</b>                | Moisture                       | IS 4333 Part -2,2002<br>( Reaff 2009) / ISO 712:1998 /<br>GAFTA 130:2:1-2005                   | 0.1 - 25.0 g/100g                             |
|              |                                   | Uric acid                      | IS 4333 Part - 5, 2002( Reaff 2009)<br>/ GAFTA 130:7:0-2003                                    | 1-1000 mg/kg                                  |
|              |                                   | Mass of 1000 grains            | IS 4333 Part - 4, 2002<br>( Reaff 2009) / ISO 520:1977                                         | 1.0 - 90.0 g                                  |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-<br>004/version no 2.0/24.05.2013,<br>Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03,19 <sup>th</sup> edition                                                           | 5.0 -50 mg/kg                                 |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-<br>020/version no 2.0/28.08.2013,<br>AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/<br>version no 2.0/28.08.2013,<br>AOAC969.13, 19 <sup>th</sup> Edition  | 5.0-500 µg/kg                                 |
| <b>f.</b>    | <b>Papad</b>                      | Moisture                       | SO-GUML-CTS-C01-QU-<br>020/version no 2.0/28.08.2013,<br>AOAC 969.13, 19 <sup>th</sup> Edition | 0.5 - 50.0 g/100g                             |
|              |                                   | Total Ash                      | IS 2639:1999 (Reaff. 2005)                                                                     | 0.5 - 50.0 g/100g                             |
|              |                                   | Acid Insoluble Ash             | IS 2639:1999 (Reaff. 2005)                                                                     | 0.01 - 0.25 g/100g                            |
|              |                                   | Alkalinity of Ash              | IS 2639:1999 (Reaff. 2005)                                                                     | 0.10 - 30.0 g/100g                            |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>30 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Papad</b>                      | pH of water extract            | IS 2639:1999 (Reaff. 2005)                                                                   | 1.0-14.0                                      |
|              |                                   | Fat                            | IS 2639:1999 (Reaff. 2005)                                                                   | 0.2 - 70.0 g/100g                             |
|              |                                   | Crude Fibre                    | IS 2639:1999 (Reaff. 2005)                                                                   | 0.1 - 20.0 g/100g                             |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                        | 1.0 -50 mg/100g                               |
|              |                                   | Aflatoxin B1                   | AOAC 999.07,19 <sup>th</sup> edition                                                         | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | AOAC 999.07,19 <sup>th</sup> edition                                                         | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | AOAC 999.07,19 <sup>th</sup> edition                                                         | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | AOAC 999.07,19 <sup>th</sup> edition                                                         | 0.5-36 µg/kg                                  |
|              |                                   | Vitamin C                      | AOAC 985.33,19 <sup>th</sup> edition                                                         | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC 942.23, 19 <sup>th</sup> edition | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC 970.65, 19 <sup>th</sup> edition  | 0.5-100 mg/100g                               |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>31 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Papad</b>                      | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC 975.41, 19th edition                                      | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/<br>version no 2.0/24.05.2013, AOAC 985.32, 19th edition                                      | 0.5-100 mg/100g                               |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC 992.04, 19th edition                                      | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19th edition                                     | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1.0-500 mg/kg                                 |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>32 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Papad</b>                      | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |



|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>33 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Papad</b>                      | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
| <b>8.</b>    | <b>Nuts and Nut Products</b>      | Moisture                       | AOAC 925.40,19 <sup>th</sup> edition / IS 4684 : 1995 (Reaff. 2005)                                                | 0.5 - 50.0 g/100g                             |
|              |                                   | Fat                            | AOAC 948.22,19 <sup>th</sup> edition / IS 4684 : 1995 (Reaff. 2005)                                                | 0.5 - 80.0 g/100g                             |
|              |                                   | Protein                        | AOAC 950.48,19 <sup>th</sup> edition / IS 4684 : 1995 (Reaff. 2005)                                                | 0.5 – 50.0 g/100g                             |
|              |                                   | Crude fibre                    | AOAC 935.53,19 <sup>th</sup> edition / IS 4684 : 1995 (Reaff. 2005)                                                | 0.2 – 5.0 g/100g                              |
|              |                                   | Ash                            | AOAC 950.49,19 <sup>th</sup> edition / IS 4684 : 1995 (Reaff. 2005)                                                | 0.1 – 5.0 g/100g                              |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>34 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                       | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Nuts and Nut Products</b>      | Acid Insoluble Ash             | IS 4684 : 1995 (Reaff. 2005)                                                             | 0.05 - 10.0 g/100g                            |
|              |                                   | Free Fatty Acid                | IS 4684 : 1995 (Reaff. 2005)                                                             | 0.1 - 10.0 g/100g                             |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                    | 1.0 -50 mg/100g                               |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)         | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                    | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition  | 25.0-1000 µg/kg                               |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition  | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/ version no 1.0/1.08.2013, AOAC 999.07, 19 <sup>th</sup> edition  | 0.5-36 µg/kg                                  |

|                               |                                                                                                           |                    |                   |
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Nuts and Nut Products</b>      | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition | 0.5-36 µg/kg                                  |
| <b>9.</b>    | <b>Milk and Dairy Products</b>    |                                |                                                                                              |                                               |
| <b>a.</b>    | <b>Malted Milk Foods</b>          | Moisture                       | IS 1806: 1975 Appendix A (Reaff. 2000)                                                       | 0.1-95.0g/100g                                |
|              |                                   | Total Protein                  | IS 1547: 1968 Appendix B                                                                     | 0.1-70.0 g/100g                               |
|              |                                   | Fat                            | IS 1547: 1968 Appendix C /<br>AOAC 922.09                                                    | 0.1-50.0 g/100g                               |
|              |                                   | Total Ash                      | IS 1547: 1968 Appendix E                                                                     | 0.1-20.0 g/100g                               |
|              |                                   | Acid insoluble ash             | IS 1547: 1968 Appendix F                                                                     | 0.01-20.0 g/100g                              |
|              |                                   | Solubility index               | IS 1547: 1968 Appendix H                                                                     | 0.1-10.0 ml                                   |
|              |                                   | Test for starch                | IS 1806: 1975 Appendix B (Reaff. 2000)                                                       | Positive/Negative                             |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                   | 0.1-100g/100g                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Malted Milk Foods</b>          | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                              | 1.0 -50 mg/100g                               |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>37 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                       | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Malted Milk Foods</b>          | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)         | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                    | 5-50 mg/kg                                    |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition  | 25-1000 µg/kg                                 |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 5-500 µg/kg                                   |
| <b>b.</b>    | <b>Raw Milk</b>                   | Total Solids                   | AOAC 990.19/ AOAC 990.20                                                                 | 5 – 20 g/100g                                 |
|              |                                   | Ash                            | AOAC 945.46, 19 <sup>th</sup> edition                                                    | 0.05 - 2g/100g                                |
|              |                                   | Protein                        | AOAC 991.20, 19 <sup>th</sup> edition                                                    | 0.5 - 10.0 g/100g                             |
|              |                                   | Fat                            | AOAC 989.05, 19 <sup>th</sup> edition                                                    | 0.1 – 10 g/100g                               |
|              |                                   | Solids-Not-Fat                 | AOAC 990.21, 19 <sup>th</sup> edition                                                    | 7 - 12.5 g/100g                               |
|              |                                   | Acidity                        | AOAC 947.05, 19 <sup>th</sup> edition                                                    | 0.05 - 10 g/100g                              |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                               | 0.1-100g/100g                                 |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>38 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Raw Milk</b>                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                              | 1.0 -50 mg/100g                               |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>39 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>c.</b>    | <b>Sweetened Condensed milk</b>   | Total Solids                   | AOAC 920.115 / IS:1166:1986                                                                                        | 25 – 50g/100g                                 |
|              |                                   | Ash                            | AOAC 920.115, 19 <sup>th</sup> Edition                                                                             | 0.05 – 5g/100g                                |
|              |                                   | Protein                        | AOAC 920.115, 19 <sup>th</sup> Edition                                                                             | 1 – 30 g/100g                                 |
|              |                                   | Fat                            | AOAC 920.115, 19 <sup>th</sup> Edition / IS:11762:2005                                                             | 0.1 – 15 g/100g                               |
|              |                                   | Solids-Not-Fat                 | AOAC 990.21, 19 <sup>th</sup> edition                                                                              | 5.0 - 40.0 g/100g                             |
|              |                                   | Acidity                        | AOAC 947.05, 19 <sup>th</sup> Edition                                                                              | 0.1- 5 g/100g                                 |
|              |                                   | Lactose                        | AOAC 920.115, 19 <sup>th</sup> Edition                                                                             | 10 – 60 g/100g                                |
|              |                                   | Sucrose                        | IS:1166:1986 (Appen.C) (Reaff.2003)                                                                                | 40 - 45 g/100g                                |
|              |                                   | Titratable Acidity             | IS:1166:1986 (Appen.D) (Reaff.2003)                                                                                | 0.05 – 0.35g/100g                             |
|              |                                   | Adulterants                    | FSSAI Manual 1.2                                                                                                   | Absent/Present                                |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |

|                               |                                                                                                           |                    |                   |
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>40 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Sweetened Condensed milk</b>   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |
| <b>d.</b>    | <b>Dried Milk</b>                 | Moisture                       | IS 16072:2012                                                                                                      | 0.1 – 4.5 g/100g                              |
|              |                                   | Total solids                   | SO-GUML-CTS-C01-QU-023, Ref. USFDA                                                                                 | 96 – 99.5 g/100g                              |
|              |                                   | Ash                            | SO-GUML-CTS-C01-QU-023, Ref. USFDA                                                                                 | 0.05 – 10g/100g                               |
|              |                                   | Protein                        | AOAC 930.29, 19 <sup>th</sup> Edition / IS:7219                                                                    | 10 – 50g/100g                                 |



|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>41 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                               | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Dried Milk</b>                 | Fat                            | AOAC 932.06, 19 <sup>th</sup> Edition/<br>IS 11721:2005 (Reaff.2010) /<br>ISO 1736:2000                          | 0.1 – 50 g/100g                               |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                       | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                       | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                       | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                       | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                            | 1.0 -50 mg/100g                               |
|              |                                   | Acidity                        | AOAC 947.05, 19 <sup>th</sup> Edition                                                                            | 0.1 – 5 g/100g                                |
|              |                                   | Lactose                        | AOAC 930.28, 19 <sup>th</sup> Edition/<br>IS 1479 Part II 1961 (Reaff 2003)                                      | 10 – 60 g/100g                                |
|              |                                   | Insolubility Index             | IS 12759:1989 ( Reaff 2010) / ISO<br>8156:1987                                                                   | 0.1 - 2.0 ml                                  |
|              |                                   | Titrateable Acidity            | IS 1165:2002 Annex B<br>(Reaff:2009) / IS: 11766:1986 /<br>ISO 6092 : 1980                                       | 0.1 – 5 g/100g                                |
|              |                                   | Scorched Particles             | IS:13500:1992                                                                                                    | Qualitative                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08,<br>19th edition /SO-GUML-CTS-<br>C01-QU-006/ VERSION NO<br>2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>42 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Dried Milk</b>                 | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                            | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                            | 0.5 -10.0 mg/kg                               |
| <b>e.</b>    | <b>Paneer</b>                     | Moisture                       | IS 10484:1983 (Reaff 2010) Annex. A                                                                    | 1-80 g/100g                                   |
|              |                                   | Milk fat                       | IS 10484:1983 (Reaff 2010) Annex. B                                                                    | 1 -70 g/100g                                  |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>43 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Paneer</b>                     | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                  | 1.0 -50 mg/100g                               |
|              |                                   | Titrateable acidity            | IS 10484:1983 (Reaff 2010) Annex. C                                                                    | 0.1 - 5 g/100g                                |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Paneer</b>                     | Mercury                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                            | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                            | 0.5 -10.0 mg/kg                               |
| <b>f.</b>    | <b>Cheese</b>                     | Moisture                       | IS:2785: 1979 Append. A                                                                                | 1 - 80 g/100g                                 |
|              |                                   | Ash                            | AOAC 935.42, 19 <sup>th</sup> Edition                                                                  | 0.1-20g/100g                                  |
|              |                                   | Fat                            | AOAC 933.05, 19 <sup>th</sup> Edition / IS:2785:1979                                                   | 1 - 70 g/100g                                 |
|              |                                   | Protein / Total Nitrogen       | AOAC 2001.14, IS:2785:1979                                                                             | 1 - 50 g/100g                                 |
|              |                                   | Salt / Total Chloride          | AOAC 935.43, 19 <sup>th</sup> Edition, IS:2785:1979                                                    | 0.1 – 10 g/100g                               |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                  | 1.0 -50 mg/100g                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Cheese</b>                     | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |
|              |                                   | Cyanuric Acid                  | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                                        | 0.5 -10.0 mg/kg                               |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>46 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>g</b>     | <b>Ice cream</b>                  | Total solids                   | AOAC 941.08 / IS:2802:1964 (Reaff. 2000)                                                               | 25 – 65 g/100g                                |
|              |                                   | Protein                        | AOAC 930.33, 19 <sup>th</sup> Edition                                                                  | 1 – 15 g/100g                                 |
|              |                                   | Fat                            | AOAC 952.06, 19 <sup>th</sup> Edition / IS:2802:1964 (Reaff.2000)                                      | 0.5 – 25g/100g                                |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                  | 1.0 -50 mg/100g                               |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead in Milk fat               | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>47 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>10.</b>   | <b>Ice cream</b>                  | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19th edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.05-5 mg/kg                                  |
|              |                                   | Melamine                       | SO-GUML-CTS-C01-QU-023/ version no 1.0/28.11.2013, Ref. USFDA ,Vol 24, 2008                            | 0.5 -10.0 mg/kg                               |
|              | <b>Meat and Meat Products</b>     | Moisture                       | ISO 1442:1997                                                                                          | 1- 90 g/100g                                  |
|              |                                   | Ash                            | ISO 936:1998                                                                                           | 0.5 - 50g/100g                                |
|              |                                   | Total Fat                      | ISO 1443:1973                                                                                          | 1-50g/100g                                    |
|              |                                   | Free Fat                       | ISO 1444:1996                                                                                          | 1- 50g/100g                                   |
|              |                                   | Protein                        | ISO 937: 1978                                                                                          | 0.2- 90g/100g                                 |
|              |                                   | Total Phosphorus               | AOAC 965.17, 19 <sup>th</sup> Edition                                                                  | 0.5-1000 mg/100g                              |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                             | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                  | 1.0 -50 mg/100g                               |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>48 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| <b>11.</b>   | <b>Spices and Condiments</b>      | Moisture                       | IS 1797:1985 (Reaff.2003)/ AOAC 986.21, 19 <sup>th</sup> Edition   | 1 – 30 g/100g                                 |
|              |                                   | Total ash                      | IS 1797:1985 (Reaff.2003)/ AOAC 941.12, 19 <sup>th</sup> Edition   | 1 – 30 g/100g                                 |
|              |                                   | Acid insoluble ash             | IS 1797:1985(Reaff.2003)                                           | 0.1 – 20 g/100g                               |
|              |                                   | Non volatile ether extract     | IS 1797:1985(Reaff.2003) /AOAC 940.29, 19 <sup>th</sup> Edition    | 0.5 – 40 g/100g                               |
|              |                                   | Volatile oil                   | IS 1797:1985(Reaff.2003) / AOAC 920.169, 19 <sup>th</sup> Edition  | 0.1 – 20 g/100g                               |
|              |                                   | Cold water soluble extract     | IS 1797:1985(Reaff.2003)                                           | 0.05 – 90 g/100g                              |
|              |                                   | Mass per litre                 | IS 1797:1985(Reaff.2003)                                           | 1-100 kg/m <sup>3</sup>                       |
|              |                                   | Calcium (as CaO)               | IS 1797:1985(Reaff.2003)                                           | 1-10 g/100g                                   |
|              |                                   | Salt (as NaCl)                 | IS 1797:1985(Reaff.2003)                                           | 0.5 - 10g/100g                                |
|              |                                   | Crude fibre                    | IS 1797:1985(Reaff.2003) / AOAC 920.169, 19 <sup>th</sup> Edition  | 0.1 – 30 g/100g                               |
|              |                                   | Added coloring matter          | FSSAI Lab Manual 10.0 (22.0) – 2012                                | Present/Absent                                |
|              |                                   | Curcumin                       | IS 10925:1984(Reaff.2007)                                          | 1 – 95 g/100g                                 |
|              |                                   | Starch (on dry basis)          | IS 4706:PART II: 1978(Reaff.2005)                                  | 40 – 60 g/100g                                |
|              |                                   | Presence of chromates          | IS 3576:1994 (Reaff.2003)                                          | Present/Absent                                |



|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                             | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Spices and Condiments</b>      | Colour                         | AOAC 971.26, 19 <sup>th</sup> Edition                                                          | 15 – 4000 ASTA                                |
|              |                                   | Scoville Heat Units/Capsaicin  | AOAC 995.03, 19 <sup>th</sup> Edition                                                          | 750 -650000 SHU                               |
|              |                                   | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 0.5-36 µg/kg                                  |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004, ,<br>Bonaerense 24 (1):89-90 (2005)                                    | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03,19 <sup>th</sup> edition                                                           | 5-50 mg/kg                                    |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/<br>version no 2.0/28.08.2013,<br>AOAC 969.13, 19 <sup>th</sup> Edition | 25-1000 µg/kg                                 |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/<br>version no 2.0/28.08.2013,<br>AOAC969.13, 19 <sup>th</sup> Edition  | 5-500 µg/kg                                   |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>12.</b>   | <b>Bakery and Confectionary Products</b> |                                |                                                                                                                    |                                               |
| <b>a.</b>    | <b>Bread, Noodles, Snacks</b>            | Energy                         | Pearson's Composition and Analysis of Foods                                                                        | 0.1-950 kCal/100g                             |
|              |                                          | Carbohydrate                   | Ref AOAC 986.25, 19 <sup>th</sup> Edition                                                                          | 10 -80 g/100g                                 |
|              |                                          | Fat                            | AOAC 922.06, 19 <sup>th</sup> Edition                                                                              | 1- 40 g/100g                                  |
|              |                                          | Protein                        | AOAC 920.87, 19 <sup>th</sup> Edition                                                                              | 0.2-50 g/100g                                 |
|              |                                          | Crude Fibre                    | AOAC 962.09, 19 <sup>th</sup> Edition                                                                              | 0.5- 30g/100g                                 |
|              |                                          | Moisture                       | AOAC 925.10, 19 <sup>th</sup> Edition                                                                              | 0.2-30g/100g                                  |
|              |                                          | Ash                            | AOAC 923.03, 19 <sup>th</sup> Edition                                                                              | 0.1-50g/100g                                  |
|              |                                          | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                          | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                          | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                          | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                          | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                              | 1.0 -50 mg/100g                               |
|              |                                          | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.5-500 mg/kg                                 |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Bread, Noodles, Snacks</b>     | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 1-500 mg/kg                                   |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 by ICP-MS | 0.5-500 mg/kg                                 |
|              |                                   | Salt                           | ISO 1841-1:1996                                                                                                    | 0.1- 30 g/100g                                |
|              |                                   | Phosphorous                    | ISO 13730:1996                                                                                                     | 10- 250 mg/100g                               |
|              |                                   | Glucose                        | AOAC 982.14, 19 <sup>th</sup> Edition by HPLC RID                                                                  | 0.5-5.0 g/100g                                |
|              |                                   | Sucrose                        | AOAC 982.14, 19 <sup>th</sup> Edition by HPLC RID                                                                  | 0.5-5.0 g/100g                                |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Bread, Noodles, Snacks</b>     | Lactose                        | AOAC 982.14, by HPLC RID                                                                | 0.5-5.0 g/100g                                |
|              |                                   | Fructose                       | AOAC 982.14, 19 <sup>th</sup> Edition by HPLC RID                                       | 0.5-5.0 g/100g                                |
|              |                                   | Dietary Fibre                  | AOAC 993.19, 19 <sup>th</sup> Edition                                                   | 1- 90g/100g                                   |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Trans fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                              | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                   | 1.0 -50 mg/100g                               |
|              |                                   | Sugar                          | AOAC 975.14, 19 <sup>th</sup> Edition                                                   | 1.0-5.0 g/100g                                |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5-50 mg/kg                                    |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25-1000 µg/kg                                 |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5-500 µg/kg                                   |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| <b>b.</b>    | <b>Biscuits</b>                   | Moisture                       | IS 1011: 2002 Annex. B                                             | 0.1 - 10.0g/100g                              |
|              |                                   | Fat                            | IS 1011: 2002                                                      | 0.1 - 50.0g/100g                              |
|              |                                   | Protein                        | AOAC 920.87, 19 <sup>th</sup> Edition                              | 0.2 - 25.0g/100g                              |
|              |                                   | Acid Insoluble Ash             | IS 1011: 2002 Annex. C                                             | 0.01 - 2.0g/100g                              |
|              |                                   | Acidity of Extracted Fat       | IS 1011: 2002 Annex. D                                             | 0.1 - 2.0g/100g                               |
|              |                                   | <b>Physical Parameters</b>     |                                                                    |                                               |
|              |                                   | Appearance                     | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Taste & Odour                  | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Flavour                        | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Baking                         | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Texture                        | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Insect Infestation             | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Foreign matter                 | IS 1011: 2002                                                      | N.A.                                          |
|              |                                   | Sugar                          | IS:4079:1967                                                       | 0.5 - 50.0 g/100g                             |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                         | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                         | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                         | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                         | 0.1-100g/100g                                 |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                        | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Biscuits</b>                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                     | 1.0 -50 mg/100g                               |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)          | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                     | 5-50 mg/kg                                    |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition   | 25-1000 µg/kg                                 |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition  | 5-500 µg/kg                                   |
|              |                                   | Vitamin C                      | AOAC 985.33, 19 <sup>th</sup> edition                                                     | 1.0-10000 mg/100g                             |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/ version no 2.0/24.05.2013 , AOAC 942.23, 19 <sup>th</sup> edition | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/ version no 2.0/24.05.2013, AOAC 970.65, 19 <sup>th</sup> edition  | 0.5-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/ version no 2.0/24.05.2013, AOAC 975.41, 19 <sup>th</sup> edition  | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B6                     | SO-GUML-CTS-C01-QU-012/ version no 2.0/24.05.2013, AOAC 985.32, 19 <sup>th</sup> edition  | 0.5-100 mg/100g                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Biscuits</b>                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC 992.04, 19 <sup>th</sup> edition                          | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC 971.30 , 19 <sup>th</sup> edition                         | 0.5-16 mg/100g                                |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 1-500 mg/kg                                   |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>56 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Biscuits</b>                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Nickel                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |
|              |                                   | Cadmium                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.1-5 mg/kg                                   |



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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                 | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Biscuits</b>                   | Mercury                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.1-5 mg/kg                                   |
|              |                                   | Lead                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS | 0.2-5 mg/kg                                   |
| <b>c.</b>    | <b>Confectionery</b>              | Moisture                       | IS 6287:1985 (reaff:2005)                                                                                          | 0.1-20 g/100g                                 |
|              |                                   | Protein                        | IS 6287:1985 (reaff:2005)                                                                                          | 0.5-50 g/100g                                 |
|              |                                   | Acid Insoluble ash             | IS 6287:1985 (reaff:2005)                                                                                          | 0.01-20 g/100g                                |
|              |                                   | Sulphated ash                  | IS 6287:1985 (reaff:2005)                                                                                          | 0.01-20 g/100g                                |
|              |                                   | Reducing sugar                 | IS 6287:1985 (reaff:2005)                                                                                          | 1-90 g/100g                                   |
|              |                                   | Sucrose                        | IS 6287:1985 (reaff:2005)                                                                                          | 1-90 g/100g                                   |
|              |                                   | Fat                            | IS 6287:1985 (reaff:2005)                                                                                          | 0.5-40 g/100g                                 |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                                         | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                                              | 1.0 -50 mg/100g                               |
|              |                                   | Titanium Dioxide               | AOAC 973.36, 19 <sup>th</sup> Edition                                                                              | 10-5000 mg/kg                                 |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Confectionery</b>              | Food Grade Color               | FSSAI Lab Manual 4 (B5) - 2012                                                          | 10-1000 mg/kg                                 |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5-50 mg/kg                                    |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25-1000 µg/kg                                 |
|              |                                   | Saffrole                       | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5-500 µg/kg                                   |
| <b>13.</b>   | <b>Honey and Honey Products</b>   | Total Reducing Sugar           | IS 4941:1994 Annex C (Reaff.2002)                                                       | 50 – 85 g/100g                                |
|              |                                   | Optical density at 660nm       | IS 4941:1994 Annex H (Reaff.2002)                                                       | 0.1- 5.0 g/100g                               |
|              |                                   | Sucrose                        | IS 4941:1994 Annex C (Reaff.2002)                                                       | 0.5 - 85 g/100g                               |
|              |                                   | Moisture                       | IS 4941:1994 Annex B (Reaff.2002)                                                       | 0.05 – 50 g/100g                              |
|              |                                   | Ash                            | IS 4941:1994 Annex D (Reaff.2002)                                                       | 0.005 – 5 g/100g                              |
|              |                                   | Specific gravity at 27°C       | IS 4941:1994 Annex A (Reaff.2002)                                                       | 0.85 – 1.50                                   |
|              |                                   | Acidity (as formic acid)       | IS 4941:1994 Annex E (Reaff.2002)                                                       | 0.01 – 0.5 g/100g                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>       | <b>Specific Test Performed</b>  | <b>Test Method Specification against which tests are performed</b>                                                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Honey and Honey Products</b>         | Fiehes test                     | IS 4941:1994 Annex F (Reaff.2002)                                                                                       | Negative/Positive                             |
|              |                                         | Fructose-Glucose ratio          | IS 4941:1994 Annex F (Reaff.2002)                                                                                       | 0.5-2.0                                       |
|              |                                         | HMF                             | IS 4941:1994 (Reaff.2002)                                                                                               | 1.0 - 1000 mg/kg                              |
|              |                                         | Diastatic activity              | AOAC 958.09, 19 <sup>th</sup> Edition                                                                                   | 1-30                                          |
|              |                                         | Glucose                         | AOAC 977.20, 19 <sup>th</sup> Edition- HPLC                                                                             | 0.5-50 g/100g                                 |
|              |                                         | Fructose                        | AOAC 977.20, 19 <sup>th</sup> Edition- HPLC                                                                             | 0.5-50 g/100g                                 |
|              |                                         | Sucrose                         | AOAC 977.20, 19 <sup>th</sup> Edition- HPLC                                                                             | 0.5-50 g/100g                                 |
| <b>14.</b>   | <b>Alcoholic Drinks &amp; Beverages</b> |                                 |                                                                                                                         |                                               |
| <b>a.</b>    | <b>Rum, Whisky, Brandy, Gin</b>         | Residue on evaporation          | IS 3752: 2005 (Reaff 2008)                                                                                              | 0.02 – 25 g/100g                              |
|              |                                         | Volatile acidity                | IS 3752: 2005 (Reaff 2008)                                                                                              | 5-50 g/100L                                   |
|              |                                         | Esters and ethyl acetate        | IS 3752: 2005 (Reaff 2008)                                                                                              | 10-150 g/100L                                 |
|              |                                         | Higher alcohols as amyl alcohol | IS 3752: 2005 (Reaff 2008)                                                                                              | 50-350 g/100L                                 |
|              |                                         | Aldehydes as acetaldehyde       | IS 3752: 2005 (Reaff 2008) / AOAC 972.08, 19 <sup>th</sup> Edition                                                      | 5-30 g/100L                                   |
|              |                                         | Furfural                        | IS 3752: 2005 (Reaff 2008)                                                                                              | 1-10 g/100L                                   |
|              |                                         | Copper                          | SO-GUML-CTS-C01-QU-006/ VERSION NO 2.0/24.05.2013 Ref AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> Edition by ICP- OES | 0.5-50 mg/L                                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>    | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>          | <b>Range of Testing / Limits of Detection</b> |
|--------------|--------------------------------------|--------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Rum, Whisky, Brandy, Gin</b>      | Methyl alcohol                 | IS 3752: 2005 (Reaff 2008)                                                  | 5-20 g/100L                                   |
|              |                                      | Ethanol                        | IS 3752: 2005 (Reaff 2008) / AOAC 920.57, 19 <sup>th</sup> Edition          | 5 – 99.5 g/100L                               |
| <b>b.</b>    | <b>Beer</b>                          | Calcium                        | AOAC 976.09, 19 <sup>th</sup> Edition/AOAC 976.10, 19 <sup>th</sup> Edition | 0.5-50 mg/L                                   |
|              |                                      | Phosphorous                    | AOAC 920.55, 19 <sup>th</sup> Edition                                       | 50.0-800 mg/L                                 |
|              |                                      | Sodium                         | AOAC 987.03, 19 <sup>th</sup> Edition                                       | 0.5-50 mg/L                                   |
|              |                                      | Potassium                      | AOAC 987.02, 19 <sup>th</sup> Edition                                       | 0.5-50 mg/L                                   |
|              |                                      | Chloride                       | AOAC 940.18, 19 <sup>th</sup> Edition                                       | 50.0-250 mg/L                                 |
|              |                                      | Sulphate                       | APHA 4500, 21st Edition 2005                                                | 10.0-100mg/L                                  |
|              |                                      | Magnesium                      | AOAC 976.09, 19 <sup>th</sup> Edition                                       | 0.5-50 mg/L                                   |
| <b>15.</b>   | <b>Soft drinks</b>                   | Acidity                        | AOAC 950.15, 19 <sup>th</sup> Edition                                       | 0.01 - 1.0 g/100g                             |
|              |                                      | Brix                           | IS:13815:1993 / ISO2173 : 1978                                              | 0.01 - 20°Brix                                |
|              |                                      | Fill Volume                    | Physical (By Measurement)                                                   | 100 - 2500 ml                                 |
|              |                                      | Preliminary examination        | AOAC 950.12, 19 <sup>th</sup> Edition                                       | N.A.                                          |
| <b>16.</b>   | <b>Fruits and Vegetable Products</b> | Moisture                       | AOAC 934.06, 19 <sup>th</sup> Edition                                       | 0.1 – 95 g/100g                               |
|              |                                      | Ash                            | AOAC 940.26, 19 <sup>th</sup> Edition                                       | 0.1 – 10g/100g                                |
|              |                                      | Total solids                   | AOAC 964.22, 19 <sup>th</sup> Edition                                       | 1 - 99 g/100g                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>    | <b>Specific Test Performed</b>            | <b>Test Method Specification against which tests are performed</b>              | <b>Range of Testing / Limits of Detection</b> |
|--------------|--------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fruits and Vegetable Products</b> | pH                                        | IS: 2860 : 1964 (Reaff. 2001)                                                   | 1.0-14.0                                      |
|              |                                      | Total soluble solids (°Brix)              | AOAC 932.12, 19 <sup>th</sup> Edition/<br>AOAC 983.17, 19 <sup>th</sup> Edition | 1 - 99 °Brix                                  |
|              |                                      | Protein                                   | AOAC 920.152, 19 <sup>th</sup> Edition                                          | 0.1 - 50 g/100g                               |
|              |                                      | Reducing sugar                            | AOAC 925.36, 19 <sup>th</sup> Edition                                           | 1.0 – 70 g/100g                               |
|              |                                      | Acidity (as citric acid)                  | AOAC 942.15, 19 <sup>th</sup> Edition                                           | 0.1 – 10 g/100g                               |
|              |                                      | Volatile acid                             | AOAC 925.34, 19 <sup>th</sup> Edition                                           | 0.1 – 5g/100g                                 |
|              |                                      | Sulphur dioxide                           | ISO 5522: 1981                                                                  | 10.0-2000 mg/kg                               |
|              |                                      | Benzoic Acid                              | USFDA CLG BSP-01, 2004/<br>ISO 22855: 2008                                      | 1.0-500 mg/kg                                 |
|              |                                      | Sorbic Acid                               |                                                                                 | 1.0-500 mg/kg                                 |
| <b>17.</b>   | <b>Food Additives</b>                |                                           |                                                                                 |                                               |
| <b>a.</b>    | <b>Edible Salt</b>                   | Water insoluble matter                    | IS 253: 1985 (Reaff. 2004) /<br>IS:7224:2006                                    | 0.10 – 5g/100g                                |
|              |                                      | Moisture                                  | IS 7224:2006                                                                    | 0.05 - 6.0 g/100g                             |
|              |                                      | Chloride as NaCl                          | IS 253: 1985 (Reaff. 2004) /<br>IS:7224:2006                                    | 10 – 99.9 g/100g                              |
|              |                                      | Acid insoluble matter                     | IS 253: 1985 (Reaff. 2004)                                                      | 0.05 – 1g/100g                                |
|              |                                      | Matter soluble in water (other than NaCl) | IS 253: 1985 (Reaff. 2004) /<br>IS:7224:2006                                    | 0.05 – 5g/100g                                |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>                | <b>Test Method Specification against which tests are performed</b>                                                            | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Edible Salt</b>                | Calcium                                       | SO-GUML-CTS-C01-QU-006/<br>VERSION NO 2.0/24.05.2013 Ref<br>AOAC 985.01, 975.03, 990.08 by<br>ICP- OES                        | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                                     | SO-GUML-CTS-C01-QU-006/<br>VERSION NO 2.0/24.05.2013 Ref<br>AOAC 985.01, 975.03, 990.08 by<br>ICP- OES                        | 0.5-500 mg/kg                                 |
|              |                                   | Sulphates                                     | IS 253: 1985 (Reaff. 2004) /<br>IS:7224:2006                                                                                  | 0.1 – 1g/100g                                 |
|              |                                   | Alkalinity as Na <sub>2</sub> CO <sub>3</sub> | IS 253: 1985 (Reaff. 2004) /<br>IS:7224:2006                                                                                  | 0.01 –0.2g/100g                               |
|              |                                   | Lead                                          | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ VERSION NO<br>2.0/24.05.2013 by ICP-MS  | 0.05-5 mg/kg                                  |
|              |                                   | Iron                                          | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ VERSION NO<br>2.0/24.05.2013 by ICP-OES | 1-500 mg/kg                                   |
|              |                                   | Arsenic                                       | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ VERSION NO<br>2.0/24.05.2013 by ICP-MS  | 0.05-5 mg/kg                                  |
|              |                                   | Copper                                        | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ VERSION NO<br>2.0/24.05.2013 by ICP-OES | 0.5-500 mg/kg                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>   | <b>Specific Test Performed</b>        | <b>Test Method Specification against which tests are performed</b>                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Edible Salt</b>                  | K <sub>4</sub> [Fe(CN) <sub>6</sub> ] | IS 253: 1985 (Reaff. 2004)                                                              | <15 - >15 mg/kg                               |
|              |                                     | Iodine                                | IS 7224:2006                                                                            | 10.0 - 50.0 mg/kg                             |
| <b>18.</b>   | <b>Coffee, Coca and By-Products</b> | Moisture                              | AOAC 979.12, 19 <sup>th</sup> Edition                                                   | 0.05 - 10.0g/100gm                            |
|              |                                     | Ash                                   | AOAC 920.100, 19 <sup>th</sup> Edition                                                  | 0.05 - 9.5g/100gm                             |
|              |                                     | Caffeine                              | IS 2791:1992 / AOAC 979.11, 19 <sup>th</sup> Edition                                    | 0.5-6.0g/100gm                                |
|              |                                     | Solubility                            | IS 2791:1992 / AOAC 973.21, 19 <sup>th</sup> Edition                                    | Passes the test                               |
|              |                                     | Hypericine                            | SO-GUML-CTS-C01-QU-004/version no 2.0/24.05.2013, Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                     | Hydrocyanic Acid                      | AOAC 915.03, 19 <sup>th</sup> edition                                                   | 5.0-50 mg/kg                                  |
|              |                                     | Agaric Acid                           | SO-GUML-CTS-C01-QU-020/version no 2.0/28.08.2013, AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |
|              |                                     | Saffrole                              | SO-GUML-CTS-C01-QU-021/ version no 2.0/28.08.2013, AOAC969.13, 19 <sup>th</sup> Edition | 5.0-500 µg/kg                                 |
| <b>19.</b>   | <b>Infant Foods</b>                 | Moisture                              | AOAC 927.05, 19 <sup>th</sup> Edition/ IS:16072:2012                                    | 0.1 - 25.0 g/100g                             |
|              |                                     | Milk protein                          | AOAC 986.25, 19 <sup>th</sup> Edition/ IS:7219-1973 (Reaff. 2005)                       | 1.0 - 50g/100gm                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Infant Foods</b>               | Protein                        | AOAC 986.25, 19 <sup>th</sup> Edition/<br>IS:7219-1973 (Reaff. 2005)                            | 1.0 - 50g/100gm                               |
|              |                                   | Total carbohydrates            | Ref AOAC 986.25, 19 <sup>th</sup> Edition                                                       | 10 -60g/100g                                  |
|              |                                   | Crude fibre                    | AOAC 920.102, 19 <sup>th</sup> Edition                                                          | 0.1 – 10 g/100g                               |
|              |                                   | Fat                            | AOAC 986.25, 19 <sup>th</sup> Edition/<br>IS: 11721-1986                                        | 1.0-70.0 g/100g                               |
|              |                                   | Saturated fat                  | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                      | 0.1-100g/100g                                 |
|              |                                   | Monounsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                      | 0.1-100g/100g                                 |
|              |                                   | Polyunsaturated fat            | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                      | 0.1-100g/100g                                 |
|              |                                   | Trans Fat                      | AOCS Ce 2-66, 6 <sup>th</sup> Edition 2009                                                      | 0.1-100g/100g                                 |
|              |                                   | Cholesterol                    | AOAC 994.10, 19 <sup>th</sup> Edition                                                           | 1.0 -50 mg/100g                               |
|              |                                   | Vitamin B1                     | SO-GUML-CTS-C01-QU-009/<br>version no 2.0/24.05.2013 , AOAC<br>942.23, 19 <sup>th</sup> edition | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B2                     | SO-GUML-CTS-C01-QU-010/<br>version no 2.0/24.05.2013, AOAC<br>970.65, 19 <sup>th</sup> edition  | 1.0-100 mg/100g                               |
|              |                                   | Vitamin B3                     | SO-GUML-CTS-C01-QU-011/<br>version no 2.0/24.05.2013, AOAC<br>975.41, 19 <sup>th</sup> edition  | 0.5-100 mg/100g                               |
|              |                                   | Vitamin C                      | AOAC 985.33,19 <sup>th</sup> edition                                                            | 1.0-10000 mg/100g                             |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                             | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Infant Foods</b>               | Aflatoxin B1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin B2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 0.5-36 µg/kg                                  |
|              |                                   | Aflatoxin G1                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 1.0-36 µg/kg                                  |
|              |                                   | Aflatoxin G2                   | SO-GUML-CTS-C01-QU-017/<br>version no 1.0/1.08.2013,<br>AOAC 999.07,19 <sup>th</sup> edition   | 0.5-36 µg/kg                                  |
|              |                                   | Total ash                      | AOAC 986.25, 19 <sup>th</sup> Edition/<br>IS: 14433 : 2007 Annex.B                             | 0.1 - 25.0 g/100g                             |
|              |                                   | Acid insoluble ash             | IS 14433 Part 1:1997 /<br>IS: 14433 : 2007 Annex.C                                             | 0.01 - 0.5 g/100g                             |
|              |                                   | Solubility index               | IS 12759:1989 / ISO 8156:1987                                                                  | 0.1 - 2.0 ml                                  |
|              |                                   | Hypericine                     | SO-GUML-CTS-C01-QU-004/<br>version no 2.0/24.05.2013,<br>Bonaerense 24 (1):89-90 (2005)        | 0.5-25 mg/kg                                  |
|              |                                   | Hydrocyanic Acid               | AOAC 915.03,19 <sup>th</sup> edition                                                           | 5.0-50 mg/kg                                  |
|              |                                   | Agaric Acid                    | SO-GUML-CTS-C01-QU-020/<br>version no 2.0/28.08.2013,<br>AOAC 969.13, 19 <sup>th</sup> Edition | 25.0-1000 µg/kg                               |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                             | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Infant Foods</b>               | Saffrole                       | SO-GUML-CTS-C01-QU-021/<br>version no 2.0/28.08.2013,<br>AOAC969.13, 19 <sup>th</sup> Edition                                  | 5.0-500 µg/kg                                 |
|              |                                   | Vitamin A                      | SO-GUML-CTS-C01-QU-015/<br>version no 2.0/24.05.2013, AOAC<br>992.04, 19th edition                                             | 50-444 IU/100g                                |
|              |                                   | Vitamin E                      | SO-GUML-CTS-C01-QU-013/<br>version no 2.0/24.05.2013, AOAC<br>971.30 , 19th edition                                            | 0.5-16 mg/100g                                |
|              |                                   | Chloride                       | IS:11763 -2005                                                                                                                 | 250 - 900 mg/100g                             |
|              |                                   | Potassium                      | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ version no<br>2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Calcium                        | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ version no<br>2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Iron                           | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ version no<br>2.0/24.05.2013 by ICP- OES | 1.0 -500 mg/kg                                |
|              |                                   | Copper                         | AOAC 985.01, 975.03, 990.08,<br>19 <sup>th</sup> edition /SO-GUML-CTS-C01-<br>QU-006/ version no<br>2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>67 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Infant Foods</b>               | Manganese                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Magnesium                      | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Zinc                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP- OES | 0.5-500 mg/kg                                 |
|              |                                   | Sodium                         | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-OES  | 0.5-500 mg/kg                                 |
|              |                                   | Arsenic                        | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.05-5 mg/kg                                  |
|              |                                   | Tin                            | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.5-500 mg/kg                                 |
|              |                                   | Chromium                       | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS   | 0.5-500 mg/kg                                 |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>68 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>  | <b>Specific Test Performed</b>   | <b>Test Method Specification against which tests are performed</b>                                                                                                      | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Infant Foods</b>                | Nickel                           | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS                                                      | 0.05-5 mg/kg                                  |
|              |                                    | Cadmium                          | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS                                                      | 0.05-5 mg/kg                                  |
|              |                                    | Mercury                          | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS                                                      | 0.05-5 mg/kg                                  |
|              |                                    | Lead                             | AOAC 985.01, 975.03, 990.08, 19 <sup>th</sup> edition /SO-GUML-CTS-C01-QU-006/ version no 2.0/24.05.2013 by ICP-MS                                                      | 0.05-5 mg/kg                                  |
|              |                                    | Iodine                           | SO-GUML-CTS-C01-QU-024 / version no 1.0/28.11.2013 /BS:EN 15111:2007(E)                                                                                                 | 5.0 -500 µg/100g                              |
| <b>20.</b>   | <b>Pesticides Residues in Food</b> |                                  |                                                                                                                                                                         |                                               |
| <b>a.</b>    | <b>Milk and Dairy Products</b>     | <b>Organochlorine pesticides</b> |                                                                                                                                                                         |                                               |
|              |                                    | Aldrin                           | SO-GUML-CTS-C01-QU-032/ Version 1.0/ 18.02.2014 (GC-MS/MS/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>69 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Milk and Dairy Products</b>    | Dieldrin                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | op -DDT                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | pp -DDT                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | op -DDD                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | pp -DDD                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | op -DDE                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | pp -DDE                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Chlordane cis                  |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Chlordane trans                |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Endosulfan alpha               | SO-GUML-CTS-C01-QU-032/<br>Version 1.0/ 18.02.2014 (GC-MS/MS/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |
|              |                                   | Endosulfan beta                |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Endosulfan sulphate            |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | HCH- gamma (Lindane)           |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Alpha BHC                      |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Beta BHC                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Delta BHC                      |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Heptachlor                     |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Heptachlor epoxide             |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Hexachlorobenzene              |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                   | Methoxychlor                   |                                                                                                                                                                            | 10-10000 µg/kg                                |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                                                               | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Milk and Dairy Products</b>                                                                                  | <b>Organophosphorus pesticides</b>                                                           |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Diazinon                                                                                     | SO-GUML-CTS-C01-QU-032/ Version 1.0/ 18.02.2014 (GC-MS/MS/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS    | 10-10000 µg/kg                                |
|              |                                                                                                                 | Ethion                                                                                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl) |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Phosalone                                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
| <b>b.</b>    | <b>Fresh Fruits and Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed and Finished Food</b> | <b>Organochlorine Pesticides</b>                                                             |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | DDT (all isomers)                                                                            | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Dieldrin (See Aldrin)                                                                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Endosulphan (All isomers)                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Endrin                                                                                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | HCH (alpha & beta)                                                                           |                                                                                                                                                                            | 10-10000 µg/kg                                |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>71 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                                                               | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits and Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed and Finished Food</b> | Heptachlor (Sum of Heptachlor epoxide)                                                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Lindane (gamma-HCH)                                                                          |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Organophosphorus pesticides</b>                                                           |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Acephate                                                                                     | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Chlorpyrifos                                                                                 |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Chlorpyrifos-methyl                                                                          |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Diazinon                                                                                     |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Dimethoate (Including Omethoate)                                                             |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Ethion                                                                                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Omethoate (refer to Dimethoate)                                                              |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl) |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Phosalone                                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Pirimiphos-methyl                                                                            |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Profenophos                                                                                  |                                                                                                                                                                            | 10-10000 µg/kg                                |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>72 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                                                | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits and Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed and Finished Food</b> | Quinalphos                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Triazophos                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Methacriphos                                                                  | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Synthetic Pyrethroids</b>                                                  |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Allethrin and Bioallethrin                                                    | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Cyfluthrin (including other mixtures of constituent isomers sum of isomers)   |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Cypermethrin (including other mixtures of constituent isomers sum of isomers) |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Deltamethrin                                                                  |                                                                                                                                                                            | 10-10000 µg/kg                                |



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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>73 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                       | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits and Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed and Finished Food</b> | Ethofenprox (Etofenprox)                             | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Fenpropathrin                                        |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Fenvalerate & Esfenvalerate (sum of RR & SS isomers) | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Lambda-cyhalothrin                                   |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Permethrin (sum of isomers)                          |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Pesticide-Acylamino acid fungicides</b>           |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Metalaxyl                                            | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Carbamate Pesticides</b>                          |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Benomyl (see carbendazim)                            | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>74 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                                                  | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits and Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | Carbofuran (sum of carbofuran and 3-hydroxy-carbofuran expressed as carbofuran) |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Indoxacarb (sum of R and S isomers)                                             |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Iprovalicarb                                                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)  |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Thiobencarb (Benthiocarb)                                                       |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Thiodicarb (See Methomyl)                                                       |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | <b>Pyrimidines Pesticides</b>                                                   |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Fenarimol                                                                       | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Triallate (GC)                                                                  | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>75 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                   | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits And Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | <b>Pesticide-Triazoles</b>                       |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Difenoconazole                                   | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Flusilazole                                      |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Hexaconazole                                     |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Myclobutanil                                     |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Penconazole                                      |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Propiconazole                                    |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Tebuconazole                                     |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Triadimefon (sum of triadimefon and triadimenol) |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Imidazole</b>                                 |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Iprodione                                        | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>76 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                                                      | <b>Test Method Specification against which tests are performed</b>                                                                                                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits And Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | <b>Benzimidazole</b>                                                                |                                                                                                                                                                                        |                                               |
|              |                                                                                                                 | Carbendazim<br>(Including Benomyl)                                                  | SO-GUML-CTS-C01-QU-007/<br>version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup><br>Edition (QuEChERS method),<br>prEN15662 European Standard-pr<br>EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Thiophanate-methyl                                                                  |                                                                                                                                                                                        | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Nicotinoids</b>                                                                  |                                                                                                                                                                                        |                                               |
|              |                                                                                                                 | Imidacloprid                                                                        | SO-GUML-CTS-C01-QU-007/<br>version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup><br>Edition (QuEChERS method),<br>prEN15662 European Standard-pr<br>EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Thiacloprid                                                                         |                                                                                                                                                                                        | 10-10000 µg/kg                                |
|              |                                                                                                                 | Thiamethoxam (sum of<br>thiamethoxam and clothianidin<br>expressed as thiamethoxam) |                                                                                                                                                                                        | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Fungicides</b>                                                                   |                                                                                                                                                                                        |                                               |
|              |                                                                                                                 | <b>Aliphatic Nitrogen fungicides</b>                                                |                                                                                                                                                                                        |                                               |
|              |                                                                                                                 | Tridemorph                                                                          | SO-GUML-CTS-C01-QU-007/<br>version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup><br>Edition (QuEChERS method),<br>prEN15662 European Standard-pr<br>EN15637 by LC-MS/MS | 10-10000 µg/kg                                |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>77 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>            | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits And Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | Quintozone(GC)                            | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS  | 10-10000 µg/kg                                |
|              |                                                                                                                 | Triadimenol                               | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Substituted Thiourea</b><br>Pencycuron | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | <b>Pyrazole</b><br>Fenpyroximate          | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Trifluralin                               | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>78 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                               | <b>Specific Test Performed</b>                         | <b>Test Method Specification against which tests are performed</b>                                                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Fresh Fruits And Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | <b>Anilide/acetanilide and chloroacetanilide</b>       |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | Butachlor                                              | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Novaluron                                              |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | <b>Miscellaneous group of chemicals</b>                |                                                                                                                                                                            |                                               |
|              |                                                                                                                 | 2,4-D (sum of 2,4-D and its esters expressed as 2,4-D) | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                                |
|              |                                                                                                                 | Diflubenzuron                                          |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Fenazaquin                                             |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Isoprothiolane                                         |                                                                                                                                                                            | 10-10000 µg/kg                                |
|              |                                                                                                                 | Clonidafop-propargyl                                   | SO-GUML-CTS-C01-QU-008/ version no 2.0/24.05.2013 (GC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by GC-MS/MS | 10-10000 µg/kg                                |

|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>79 of 137</b>  |

| S.No. | Product / Material of Test                                                                                      | Specific Test Performed | Test Method Specification against which tests are performed                                                                                                                | Range of Testing / Limits of Detection |
|-------|-----------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|       | <b>Fresh Fruits And Vegetables, Spices, Cereals, Grains , Herbs , Raw Material, Processed And Finished Food</b> | Diclofop-Methyl         |                                                                                                                                                                            | 10-10000 µg/kg                         |
|       |                                                                                                                 | Fenoxo-prop-ethyl       | SO-GUML-CTS-C01-QU-007/ version no 2.0/24.05.2013 (LC-MS/MS)/ AOAC 2007.01, 19 <sup>th</sup> Edition (QuEChERS method), prEN15662 European Standard-pr EN15637 by LC-MS/MS | 10-10000 µg/kg                         |
| c.    | <b>Soft Drinks/ Carbonated Beverages/ Fruit Juices</b>                                                          | 2,4'-DDE                | SO-GUML-CTS-C01-QU-033 / Version 1.0/ 18.02.2014 by GCMSMS/AOAC 2007.08, 19 <sup>th</sup> Edition by GCMSMS                                                                | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | 2,4'-DDT                |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | 4,4'-DDE                |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | 4,4'-DDT                |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | 2,4 DDD                 |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | 4,4 DDD                 |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | a-endosulfan            |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | Endosulfan-sulfate      |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | b-endosulfan            | SO-GUML-CTS-C01-QU-033 / Version 1.0/ 18.02.2014 by GCMSMS/AOAC 2007.08, 19 <sup>th</sup> Edition by GCMSMS                                                                | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | a-HCH                   |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | b-HCH                   |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | g-HCH                   |                                                                                                                                                                            | 0.05-10.0 µg/L                         |
|       |                                                                                                                 | d-HCH                   |                                                                                                                                                                            | 0.05-10.0 µg/L                         |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>80 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b>                      | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|--------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soft Drinks/ Carbonated Beverages/ Fruit Juices</b> | Malathion                      |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Malaxon                        |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Chlorpyrifos                   |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Aldrin                         |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Dieldrin                       |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Ethion                         |                                                                    | 0.05-10.0 µg/L                                |
|              |                                                        | Parathion Methyl               |                                                                    |                                               |

## **II. SOAPS, DETERGENTS AND TOILETRIES**

|                         |                                                 |                            |                    |
|-------------------------|-------------------------------------------------|----------------------------|--------------------|
| <b>1. Soap/ Shampoo</b> | Total fatty matter                              | IS 286:1978 (Reaff .1991)  | 0.1 - 99.0 g/100g  |
|                         | pH                                              | IS 12031:1986 (Reaff.1998) | 1.0 - 14.0         |
|                         | Unsaponifiable matter                           | IS 286:1978 (Reaff .1991)  | 0.1 - 10.0g/100g   |
|                         | Free Caustic alkali                             | IS 286:1978 (Reaff .1991)  | 0.01 - 5 g/100g    |
|                         | Matter insoluble in alcohol                     | IS 286:1978 (Reaff .1991)  | 0.01 - 25.0 g/100g |
|                         | Matter insoluble in water                       | IS 286:1978 (Reaff .1991)  | 0.01 - 25.0 g/100g |
|                         |                                                 |                            |                    |
|                         | Chloride                                        | IS 286:1978 (Reaff .1991)  | 0.01 - 5.0 g/100g  |
|                         | Total Alkalinity of matter insoluble in alcohol | IS 286:1978 (Reaff .1991)  | 0.01 - 5.0 g/100g  |
|                         | Unsaponified matter                             | IS 286:1978 (Reaff .1991)  | 0.01 - 5.0 g/100g  |
|                         |                                                 |                            |                    |
|                         |                                                 |                            |                    |
|                         |                                                 |                            |                    |



|                               |                                                                                                           |                    |                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>81 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>       | <b>Test Method Specification against which tests are performed</b>   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|--------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|
| <b>III.</b>  | <b>WATER</b>                      | <b>Volatile Organic Carbon (VOC)</b> |                                                                      |                                               |
|              | 1) Dichlorodifluoromethane        |                                      | USEPA 8260B: 1996 by GCMS-Purge & Trap<br>USEPA 8260B: 1996 by GCMS- | 0.1 -100 µg/L                                 |
|              | 2) Chloromethane                  |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 3) Vinyl Chloride                 |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 4) Bromomethane                   |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 5) Chloroethane                   |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 6) Trichlorofluoromethane         |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 7) 1,1-Dichloroethene             |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 8) Iodomethane                    |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 9) Dichloromethane                |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 10) Carbondisulfide               |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 11) Trans-1,2-Dichloroethene      |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 12) 1,1-Dichloroethane            |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 13) Cis-1,2-Dichloroethene        |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 14) Bromochloromethane            |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 15) Chloroform                    |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 16) 2,2-Dichloropropane           |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 17) 1,2-Dichloroethane            |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 18) 1,1,1-Trichloroethane         |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 19) 1,1-Dichloropropene           |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 20) Carbontetrachloride           |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 21) Benzene                       |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 22) Dibromomethane                |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 23) 1,2-Dichloropropane           |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 24) Trichloroethene               |                                      |                                                                      | 0.1 -100 µg/L                                 |
|              | 25) Bromodichloromethane          |                                      | USEPA 8260B: 1996 by GCMS-Purge & Trap<br>USEPA 8260B: 1996 by GCMS- | 0.1 -100 µg/L                                 |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>  | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water</b>                      | 26) Cis-1,3-Dichloropropene     |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 27) MIBK                        |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 28) Toluene                     |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 29) Ethylbenzene                |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 30) m/p Xylene                  |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 31) O-Xylene                    |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 32) Trans-1,3-Dichloropropene   |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 33) 1,1,2-Trichloroethane       |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 34) 1,3-Dichloropropane         |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 35) Dibromochloromethane        |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 36) 2-Hexanone                  |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 37) 1,2-Dibromoethane           |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 38) Tetrachloroethene           |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 39) 1,1,1,2-Tetrachloroethane   |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 40) Chlorobenzene               |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 41) Bromoform                   |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 42) Cis-1,4-dichloro-2-butene   |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 43) Styrene                     |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 44) 1,1,2,2-Tetrachloroethane   |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 45) 1,2,3-Trichloropropane      |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 46) Trans-1,4-dichloro-2-butene |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 47) Isopropyl benzene           |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 48) Bromobenzene                |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 49) n-Propylbenzene             |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 50) 2-Chlorotoluene             |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 51) 4-Chlorotoluene             |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 52) 1,3,5-Trimethylbenzene      |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 53) 1,2,4-Trimethylbenzene      |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 54) Pentachloroethane           |                                                                    | 0.1 -100 µg/L                                 |
|              |                                   | 55) tert-Butylbenzene           |                                                                    | 0.1 -100 µg/L                                 |

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|-------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>  | <b>Test Method Specification against which tests are performed</b>   | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water</b>                                                                                                                | 56) Sec-Butylbenzene            | USEPA 8260B: 1996 by GCMS-Purge & Trap<br>USEPA 8260B: 1996 by GCMS- | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 57) 1,3-Dichlorobenzene         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 58) 1,4-Dichlorobenzene         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 59) 1,2-Dichlorobenzene         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 60) p-Isopropyl toluene         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 61) n-Butylbenzene              |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 62) 1,2-Dibromo-3-chloropropane |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 63) 1,2,4-Trichlorobenzene      |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 64) Napthalene                  |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 65) Hexachlorobutadiene         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 66) 1,2,3-Trichlorobenzene      |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 67) Allylchloride               |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 68) Acetone                     |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | 69) MEK                         |                                                                      | 0.1 -100 µg/L                                 |
|              |                                                                                                                             | <b>Pesticides Residues</b>      |                                                                      |                                               |
| <b>a.</b>    | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | o,p' DDT                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | p,p' DDT                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | o,p' DDE                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | p,p' DDE                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | o,p' DDD                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | p,p' DDD                        | USEPA 508:1995 by GCMSMS                                             | 0.05 – 20.0 µg/L                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Lindane                        | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Alpha HCH                      | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Beta HCH                       | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Delta HCH                      | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Alpha Endosulfan               | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Beta Endosulfan                | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Endosulfan sulfate             | USEPA 508:1995 by GCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Monocrotophos                  | USEPA 8141A:1994 by LCMSMS                                         | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Ethion                         | USEPA 1657:1993 by LCMSMS                                          | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Chlorpyrifos                   | USEPA 525.2:1994/8141A:1994 by GCMSMS                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Phorate                        | USEPA 8141A:1994 by LCMSMS                                         | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Phorate sulfoxide              |                                                                    | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Phorate sulfone                |                                                                    | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | 2,4 D                          | USEPA 515.1:1989 by LCMSMS                                         | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Butachlor                      | USEPA 525.2:1994 by LCMSMS                                         | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Isoproturon                    | USEPA 532:2000 by LCMSMS                                           | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Alachlor                       | USEPA 525.2:1994/507: 1995 by GCMSMS                               | 0.05 – 20.0 µg/L                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>          | <b>Test Method Specification against which tests are performed</b>           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Atrazine                                | USEPA 525.2:1994/8141A: 1994 by LCMSMS                                       | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Methyl parathion                        | USEPA 8141A:1994 by LCMSMS                                                   | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Methyl paraxon                          |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Malathion                               | USEPA 8141A:1994 by GCMSMS                                                   | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Malaxon                                 | USEPA 8141A:1994 by LCMSMS                                                   | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Aldrin                                  | USEPA 525.2:1994 by GCMSMS                                                   | 0.03 – 20.0 µg/L                              |
|              |                                                                                                                             | Dieldrin                                |                                                                              | 0.03 – 20.0 µg/L                              |
|              |                                                                                                                             | <b>Poly aromatic hydrocarbons (PAH)</b> |                                                                              |                                               |
|              |                                                                                                                             | Naphthalene                             | APHA 22 <sup>nd</sup> EDITION 2012 (6440 B &C)/US EPA 8270 D: 1998 by GCMSMS | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Acenaphthylene                          |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Acenaphthene                            |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Fluorene                                |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Phenanthrene                            |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Anthracene                              |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Fluoranthene                            |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Pyrene                                  |                                                                              | 0.05 – 20.0 µg/L                              |
|              |                                                                                                                             | Benzo(a)anthracene                      |                                                                              | 0.05 – 20.0 µg/L                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| S.No. | Product / Material of Test                                                                                                  | Specific Test Performed                  | Test Method Specification against which tests are performed           | Range of Testing / Limits of Detection |
|-------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|
|       | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Chrysene                                 |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Benzo(b)fluoranthene                     |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Benzo(K)fluoranthene                     |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Benzo(a)pyrene                           |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Benzo(ghi)perylene                       |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Dibenzo(ah)anthracene                    |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | Indeno(1,2,3-cd)pyrene                   |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | <b>Poly chlorinated biphenyl's (PCB)</b> |                                                                       |                                        |
|       |                                                                                                                             | 2,4,4'-Trichlorobiphenyl                 | Annexure M of IS 13428:2005/ASTM 5175/US EPA 8270 D:1998 by GCMSMS    | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,2',5,5'-Tetrachlorobiphenyl            |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,2',4,5,5'-Pentachlorobiphenyl          |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,3',4,4',5- Pentachlorobiphenyl         |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,2',4,4',5,5'-Hexachlorobiphenyl        |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,2',3,4,4',5'-Hexachlorobiphenyl        |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | 2,2',3,4,4',5,5'-Heptachlorobiphenyl     |                                                                       | 0.05 – 20.0 µg/L                       |
|       |                                                                                                                             | <b>General Parameters</b>                |                                                                       |                                        |
|       |                                                                                                                             | <b>Laboratory Testing Parameter</b>      |                                                                       |                                        |
|       |                                                                                                                             | Colour                                   | APHA 22 <sup>nd</sup> EDITION 2012 (2120B) / IS 3025 (Part - 4): 1983 | 2 Hz – 500 Hz                          |

|                               |                                                                                                           |                    |                   |
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Turbidity                      | IS:3025 : (Part-10):1984/<br>APHA 22 <sup>nd</sup> EDITION (2130-B)                          | 0.1 NTU – 500 NTU                             |
|              |                                                                                                                             | Total solid                    | IS:3025 : (Part-15):1984/<br>APHA 22 <sup>nd</sup> EDITION 2012 (2540 B)                     | 2 mg/L – 5000 mg/L                            |
|              |                                                                                                                             | Total Dissolved Solid          | APHA 22 <sup>nd</sup> EDITION 2012 (2540C)/ IS 3025 (Part -16):1984                          | 5 -10000 mg/L                                 |
|              |                                                                                                                             | pH                             | APHA 22 <sup>nd</sup> EDITION 2012(4500H-B)/ IS3025 (P-11):1983                              | 1.0 - 13.0                                    |
|              |                                                                                                                             | Barium                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120-B) /IS 3025 (PART- 2) :2004/ IS 15302:2003          | 1 µg /L -100 mg/L                             |
|              |                                                                                                                             | Copper                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120-B) / IS 3025 P - 42 :1983/ IS 3025 (PART- 2) :2004  | 1 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Iron                           | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Fe) / IS 3025 P - 53 :2003/ IS 3025 (Part- 2) :2004 | 5 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Manganese                      | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Mn) / IS 3025 (P-59):2006/ IS 3025 (PART- 2) :2004  | 1 µg/L – 100 mg/L                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>         | <b>Test Method Specification against which tests are performed</b>                           | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Nitrate                                | APHA 22 <sup>nd</sup> EDITION 2012 (4500-NO3- B)/ IS:3025( P-34):1988                        | 2 – 1000 mg/L                                 |
|              |                                                                                                                             | Nitrite                                | APHA 22 <sup>nd</sup> EDITION 2012 (4500-NO2 B)/ IS:3025( Part-34):1988                      | 0.02 – 500 mg/L                               |
|              |                                                                                                                             | Fluoride                               | APHA 22 <sup>nd</sup> EDITION 2012 (4500-F-D) / IS 3025 (PART-60):2008                       | 0.1 – 1000 mg/L                               |
|              |                                                                                                                             | Boron                                  | IS 3025 (PART- 2) :2004/ APHA 22 <sup>nd</sup> EDITION 2012 (3120-B)/ IS 3025 (PART-57):2005 | 0.1– 500 mg/L                                 |
|              |                                                                                                                             | Chromium (as Cr +6)                    | APHA 22 <sup>nd</sup> EDITION 2012(3500 Cr-B)/IS Part 52 of 3025 : 2003                      | 0.05 – 100 mg/L                               |
|              |                                                                                                                             | Total Hardness (as CaCO <sub>3</sub> ) | IS 3025 (part 21) : 1983/ APHA 22 <sup>nd</sup> EDITION 2012(2340-C)                         | 2 – 1000 mg/L                                 |
|              |                                                                                                                             | Zinc                                   | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 (P - 49):1994//IS 3025 (PART- 2):2004   | 0.005 – 1000 mg/L                             |
|              |                                                                                                                             | Silver                                 | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / Annex J IS:13428:2005/IS 3025 (PART- 2):2004    | 1µg/L– 1000 mg/L                              |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>     | <b>Test Method Specification against which tests are performed</b>                                                                         | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Aluminium                          | APHA 22 <sup>nd</sup> EDITION 2012 (3120 B) / IS 3025 (P - 55):2003/ IS 3025 (PART- 2):2004                                                | 0.005– 100 mg/L                               |
|              |                                                                                                                             | Chloride                           | APHA 22 <sup>nd</sup> EDITION 2012 (4500-Cl-B) / IS 3025 (PART-32):1988                                                                    | 2– 5000 mg/L                                  |
|              |                                                                                                                             | Selenium                           | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 (P - 56):2003/IS 3025 (PART- 2):2004                                                  | 1µg/L – 100 mg/L                              |
|              |                                                                                                                             | Sulphate                           | APHA 22 <sup>nd</sup> EDITION 2012 (4500-SO4 E) /IS 3025 (P - 24):1986                                                                     | 2– 500 mg/L                                   |
|              |                                                                                                                             | Alkalinity (As HCO <sub>3</sub> )  | IS 3025 (Part 23):1986                                                                                                                     | 2– 5000 mg/L                                  |
|              |                                                                                                                             | Alkalinity (As CaCO <sub>3</sub> ) | APHA 22 <sup>nd</sup> EDITION 2012 (2320 B) /IS 3025 (PART-3): 1986                                                                        | 2 -5000 mg/L                                  |
|              |                                                                                                                             | Calcium                            | APHA 22 <sup>nd</sup> EDITION 2012 (3120 B)/ APHA 22 <sup>nd</sup> EDITION 2012(3500 B)/IS:3025 : P-40):1991/IS 3025 (PART- 2):2004        | 2– 1000 mg/L                                  |
|              |                                                                                                                             | Magnesium                          | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Mg B) / IS 3025 (PART-46)1994/IS 3025 (PART- 2):2004/ APHA 22 <sup>nd</sup> EDITION 2012 (3120 B) | 2– 1000 mg/L                                  |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Sodium                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 (PART- 45):1993/IS 3025 (PART- 2):2004       | 0.01– 1000 mg/L                               |
|              |                                                                                                                             | Residual Free Chlorine         | APHA 22 <sup>nd</sup> EDITION 2012/(4500 B&C)IS:3025 : (Part-26):1986                             | 0.2– 500 mg/L                                 |
|              |                                                                                                                             | Phenolic Compound              | APHA 22 <sup>nd</sup> EDITION 2012 (5530-C&D)/ IS:3025 (Part-43):1992                             | 0.001– 500 mg/L                               |
|              |                                                                                                                             | Mineral Oil                    | IS 3025 (part-39):1991 Reaff-2003/ APHA 22 <sup>nd</sup> EDITION 2012(5520C)                      | 0.5– 100 mg/L                                 |
|              |                                                                                                                             | Anionic Surface Active Agent   | APHA 22 <sup>nd</sup> EDITION 2012 (5540- B &C) /Annex K IS 13428:2005                            | 0.05– 100 mg/L                                |
|              |                                                                                                                             | Mercury                        | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Hg) / IS 3025 (PART- 48):1994                            | 0.5 µg/L – 100 mg/L                           |
|              |                                                                                                                             | Cadmium                        | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) / IS 3025 (PART- 41):1992/IS 3025 (PART- 2):2004 | 1 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Arsenic                        | APHA 22 <sup>nd</sup> EDITION 2012(3120B/3125B) / IS 3025 (PART-37):1988/ IS 3025 (PART- 2):2004  | 1 µg/L – 100 mg/L                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Cyanide                        | APHA 22 <sup>nd</sup> EDITION 2012(4500-CN-C&E) / IS 3025 (PART-27):1986                                               | 0.01 mg/L – 200 mg/L                          |
|              |                                                                                                                             | Lead                           | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) / IS 3025 (PART- 47):1994/IS 3025 (PART- 2):2004                      | 1 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Chromium                       | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) / IS 3025 (PART-52):2003/IS 3025 (PART- 2):2004 Annex J IS 13428:2005 | 1 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Nickel                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) /IS 3025 (PART- 2):2004/IS 3025 (PART-54):2003/Annex L IS:13428:2005  | 5 µg/L – 100 mg/L                             |
|              |                                                                                                                             | Antimony                       | APHA 22 <sup>nd</sup> EDITION 2012/(3120B/3125B)/IS 3025 (PART- 2):2004/Annex J IS 13428:2005                          | 1 µg/L -500 mg/L                              |
|              |                                                                                                                             | Odour                          | IS:3025 : (Part-5):1983                                                                                                | Not Applicable                                |
|              |                                                                                                                             | Taste                          | IS:3025 : (Part-7&8):1984                                                                                              | Not Applicable                                |
|              |                                                                                                                             | Sulphide                       | IS:3025 : (Part-29):1986/ APHA 22 <sup>nd</sup> EDITION 2012(4500 D&F)                                                 | 0.05 mg/L – 100 mg/L                          |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>   | <b>Test Method Specification against which tests are performed</b>      | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Chloramine                       | IS:3025 : (Part-26):1986                                                | 0.1mg/L- 50 mg/L                              |
|              |                                                                                                                             | Molybdenum                       | IS:3025 : (Part-2):2004/APHA 22 <sup>nd</sup> EDITION 2012(3120B/3125B) | 1 µg/L -500 mg/L                              |
|              |                                                                                                                             | Borate                           | Annex H IS 13428:2005/IS 3025 (PART- 2):2004,IS 3025 (PART-57)2005      | 0.1– 100 mg/L                                 |
|              |                                                                                                                             | Silt Density Index               | ASTM D 4189:2007                                                        | 1.0 to 5.0                                    |
|              |                                                                                                                             | Polychlorinated biphenyl (PCB)   | Annexure M of IS 13428:2005/ASTM 5175/ US EPA 8270 D:1998               | 0.01– 10 mg/ L                                |
|              |                                                                                                                             | Poly aromatic hydrocarbons (PAH) | APHA 22 <sup>nd</sup> EDITION (6440 B & C)/US EPA 8270 D:1998           | 0.01– 10 mg/ L                                |
|              |                                                                                                                             | pH*                              | APHA 22 <sup>nd</sup> EDITION 2005(4500H-B)/ IS3025 (Part-11):1983      | 1.0 to 13.0                                   |
|              |                                                                                                                             | Colour*                          | APHA 22 <sup>nd</sup> EDITION 2012 (2120B) / IS 3025 (Part - 4): 1983   | 2 Hz – 500 Hz                                 |
|              |                                                                                                                             | Temperature*                     | IS:3025 (part-9):1984/ APHA 22 <sup>nd</sup> EDITION 2012 (2550B)       | 1°C – 70 °C                                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>                                                                                           | <b>Specific Test Performed</b>            | <b>Test Method Specification against which tests are performed</b>       | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Packaged Drinking Water/<br/>Packaged Natural Mineral Water/<br/>Drinking Water/<br/>Process Water /<br/>Other Water</b> | Residual Free Chlorine*                   | APHA 22 <sup>nd</sup> EDITION 2012 (4500 B&C)/ IS:3025 : (Part-26):1986  | 0.2– 500 mg/L                                 |
|              |                                                                                                                             | DO*                                       | APHA 22 <sup>nd</sup> EDITION 2012 (4500-O-C)/IS 3025 (PART-38):1989     | 1– 15 mg/L                                    |
|              |                                                                                                                             | Free CO <sub>2</sub> *                    | APHA 22 <sup>nd</sup> EDITION 2012 (4500 CO2-C)/IS 3025 (Part-61):2008   | 2– 100 mg/L                                   |
| <b>b.</b>    | <b>Distilled and De-Mineralised Water</b>                                                                                   | Specific Conductivity                     | APHA 22 <sup>nd</sup> EDITION 2012 (2510B)                               | 0.5 µmho – 500 mmho                           |
|              |                                                                                                                             | pH                                        | APHA 22 <sup>nd</sup> EDITION 2005 (4500 H&B) / IS 3025 (Part - 11):1983 | 1 to 13                                       |
|              |                                                                                                                             | Total solid                               | IS:3025 : (Part-15):1984/ APHA 22 <sup>nd</sup> EDITION 2012 (2540 B)    | 2– 5000 mg/L                                  |
|              |                                                                                                                             | Color retention time of KMnO <sub>4</sub> | Annex A of IS:1070:1992(Reaff:2003)                                      | 1-60 min                                      |
|              |                                                                                                                             | Silica                                    | APHA 22 <sup>nd</sup> EDITION 2012 (4500 C,D,E)/IS 3025(PART-35):1988    | 2 -100 mg/L                                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| S.No.                                | Product / Material of Test | Specific Test Performed       | Test Method Specification against which tests are performed                                                      | Range of Testing / Limits of Detection                                     |
|--------------------------------------|----------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>IV. AIR, GASES AND ATMOSPHERE</b> |                            |                               |                                                                                                                  |                                                                            |
| <b>1.</b>                            | <b>Ambient Air Quality</b> | PM 10                         | IS 5182 (Part 23) : 2006                                                                                         | 4 – 2000 µg/ m <sup>3</sup>                                                |
|                                      |                            | PM 2.5                        | CFR 40, Part-50, Appendix-L: 2006                                                                                | 2 – 1000 µg/m <sup>3</sup>                                                 |
|                                      |                            | SO <sub>2</sub>               | IS:5182 (Part 2) :1969                                                                                           | 18 – 1000 µg/ m <sup>3</sup>                                               |
|                                      |                            | NO <sub>2</sub>               | IS 5182 (Part 6) 1998 Reaffirmed                                                                                 | 5 – 250 µg/m <sup>3</sup> & 250 – 740 µg/m <sup>3</sup> in 24 hrs sampling |
|                                      |                            | NH <sub>3</sub>               | Method 401: Method of Air Sampling & Analysis (Ed. III), 1988 ( Indophenol Method)                               | 9 – 2000 µg/ m <sup>3</sup>                                                |
|                                      |                            | O <sub>3</sub>                | Method 411: Method of Air Sampling & Analysis, Edition: 3 (1988) / UV photometric (NDUV)/ IS 5182 (Part 18):1974 | 5 –1000 µg/ m <sup>3</sup> & 0.5 µg/L to 1 mg/L                            |
|                                      |                            | CO                            | By NDIR (EPA 600) / IS 5182 (Part 10):1999                                                                       | 0.02 – 100 mg/m <sup>3</sup> & and 2 - 100 mg/m <sup>3</sup>               |
|                                      |                            | C <sub>6</sub> H <sub>6</sub> | ASTM D 3686:1995/D 3687:2001                                                                                     | 3 - 100 µg/m <sup>3</sup>                                                  |
|                                      |                            | PAH in Particulate & Gaseous  | USEPA 8270C: 1996 / USEPA TO – 13A:1999                                                                          | 1- 100 µg/ m <sup>3</sup>                                                  |
|                                      |                            | BAP                           | IS 5182,(Part 4):1999 (Sampling) / USEPA 8270D:1998 /USEPA TO-13A : 1999                                         | 0.5- 100 ng/m <sup>3</sup>                                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>                                                                                                     | <b>Test Method Specification against which tests are performed</b>                                                       | <b>Range of Testing / Limits of Detection</b>            |
|--------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|              | <b>Ambient Air Quality</b>        | Ni,                                                                                                                                | IS 5182, (Part 22):2004                                                                                                  | 2 - 100 ng/ m <sup>3</sup> & 100-1000 ng/ m <sup>3</sup> |
|              |                                   | As                                                                                                                                 | IS 5182, (Part 22):2004                                                                                                  | 2 - 100 ng/ m <sup>3</sup> & 100-1000 ng/ m <sup>3</sup> |
|              |                                   | Pb                                                                                                                                 | IS 5182, (Part 22):2004                                                                                                  | 2 - 100 ng/ m <sup>3</sup> & 100-1000 ng/ m <sup>3</sup> |
|              |                                   | Hg (Particulate)                                                                                                                   | EPA IO- 3.2/ IO- 3.4/IO-3.5 , 1999                                                                                       | 2 - 100 ng/m <sup>3</sup>                                |
|              |                                   | Cl <sub>2</sub>                                                                                                                    | IS 5182 (Part 19):1979                                                                                                   | 15 - 500 µg/m <sup>3</sup>                               |
|              |                                   | H <sub>2</sub> S                                                                                                                   | IS 5182 (Part 7):1973                                                                                                    | 10 - 100 µg/m <sup>3</sup>                               |
|              |                                   | Volatile Organic Compounds (Hexane, Cyclohexane, Acetone, Methanol, Ethyl Acetate, IPA, Ethanol, Vinyl-Toluene, Pyridine, Styrene) | ASTM D 3686:1995                                                                                                         | 1 - 100 mg/m <sup>3</sup>                                |
|              |                                   | BTEX                                                                                                                               | ASTM D 3686:1995/D 3687:2001 / IS 5182 (Part 11):1993                                                                    | 50 - 1000 µg/m <sup>3</sup>                              |
|              |                                   | Hydro Carbon (C1 - C5)                                                                                                             | IS 5182 (Part 17):1979                                                                                                   | 2 – 500 mg/m <sup>3</sup>                                |
|              |                                   | Mercaptans (as CH <sub>3</sub> SH)                                                                                                 | SO-IN-MUL-ENV-GUR-QU-021/ Version 1.0/ 15.05.2014, Ref. Method 118: Method of Air Sampling & Analysis, Edition: 3 (1988) | 5 – 50 µg/m <sup>3</sup>                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>                                               | <b>Test Method Specification against which tests are performed</b>                                                       | <b>Range of Testing / Limits of Detection</b>              |
|--------------|-----------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|              | <b>Ambient Air Quality</b>        | Suspended Particulate Matter (SPM)                                           | IS:5182 (Part 4) :1973                                                                                                   | 4 – 200 µg/ m <sup>3</sup> & 200 – 2000 µg/ m <sup>3</sup> |
|              |                                   | Acid Mist (H <sub>2</sub> SO <sub>4</sub> , HCl, HF, HNO <sub>3</sub> , HBr) | NIOSH-7903:1994                                                                                                          | 2 – 50 µg/ m <sup>3</sup> & 50 – 200 µg/ m <sup>3</sup>    |
|              |                                   | Formaldehyde                                                                 | SO-IN-MUL-ENV-GUR-QU-022/ Version 1.0/ 15.05.2014, Ref. Method 117: Method of Air Sampling & Analysis, Edition: 3 (1988) | 50 – 500 µg/m <sup>3</sup>                                 |
|              |                                   | Ambient Temperature*                                                         | ASTM E 2877–12e1: 2013/SO-GUML-ENVI-E01-QU-AIR-016/Version1.0/22.01.2014                                                 | 1°C – 70 °C                                                |
|              |                                   | Wind Speed*                                                                  | IS 5912: 1997/6871: 1992                                                                                                 | Wind Speed = 1 - 80 km/hr                                  |
|              |                                   | Wind direction*                                                              | IS 5912: 1997/6871: 1992                                                                                                 | Direction = 0 - 360 °                                      |
|              |                                   | Barometric Pressure*                                                         | IS 5912: 1997/6871: 1992                                                                                                 | 700 - 765 mm Hg                                            |
|              |                                   | Rain fall*                                                                   | IS 4986: 2002/4849: 1992 (Rain Gauge)                                                                                    | Rainfall = 1 – 200 mm/day                                  |
| <b>2.</b>    | <b>Compressed Air</b>             | % RH*                                                                        | ASTM E337-02:2007/ ASTM D 4230-02:2012/SO-GUML-ENVI-E01-QU-AIR-014 /version1.0/15.01.2014                                | 0.01 – 98%                                                 |
|              |                                   | Oil Mist                                                                     | ISO 8573 Part-2: 1996                                                                                                    | 0.01 to 20 mg/m <sup>3</sup>                               |
|              |                                   | HC (C1 - C5)                                                                 | ISO 8573 Part 6: 2003                                                                                                    | 2 – 500 mg/m <sup>3</sup>                                  |
|              |                                   | Solid Particle content                                                       | ISO 8573 Part-8: 2004                                                                                                    | 4 – 5000 mg/m <sup>3</sup>                                 |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>      | <b>Test Method Specification against which tests are performed</b>              | <b>Range of Testing / Limits of Detection</b>                         |
|--------------|-----------------------------------|-------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|              | <b>Compressed Air</b>             | Particle Count*                     | ISO 8573 Part 4: 2001                                                           | 50 - 5000000 Number/m <sup>3</sup> (0.1 - 10 µm Aerodynamic Diameter) |
|              |                                   | Moisture*                           | ISO 8573 Part-3: 1999                                                           | 0.5 to 10 g/m <sup>3</sup>                                            |
|              |                                   | Due Point*                          | ISO 8573 Part 3: 1999                                                           | (-) 40°C to (+) 25 °C Pressure Due Point                              |
|              |                                   | CO*                                 | ISO 8573 Part 6: 2003                                                           | 1 – 100 mg/L                                                          |
|              |                                   | NO*                                 | ISO 8573 Part 6: 2003                                                           | 0.01-25 mg/L                                                          |
|              |                                   | SO <sub>2</sub> *                   | ISO 8573 Part 6: 2003                                                           | 0.1 – 200mg/L                                                         |
|              |                                   | CO <sub>2</sub> *                   | ISO 8573 Part 6: 2003                                                           | 1 - 1000 mg/L                                                         |
|              |                                   | Solid Particle content              | ISO 8573 Part-8: 2004                                                           | 5 to 100 mg/m <sup>3</sup>                                            |
| <b>3.</b>    | <b>Stack Emission Monitoring</b>  | Particulate Matter                  | USEPA 17:1996, USEPA 5:1996, USEPA 5i:1997/ IS : 11255 (part 1);1985 reaff 1995 | 4 – 5000 mg/m <sup>3</sup>                                            |
|              |                                   | SO <sub>2</sub>                     | USEPA 6:1997, 6B:1996, 6A:1996/ IS : 11255 (part 2):1985 reaff 1995             | 2.6 -3000 mg/Nm <sup>3</sup> , By Analyzer 0.1 – 3000mg/L             |
|              |                                   | Oxides of Nitrogen                  | USEPA 7:1996/ IS 11255 (Part - 7):2005                                          | 50 – 3000 mg/Nm <sup>3</sup> / 0.01-2500 mg/Nm <sup>3</sup>           |
|              |                                   | Sulfuric Acid Mist                  | USEPA 8:1996                                                                    | 0.5 – 5000 mg/m <sup>3</sup>                                          |
|              |                                   | Hydrogen sulfide & Carbon disulfide | IS: 11255 (part 4)1985 reaff 1995/ USEPA 11:1996                                | 3– 500 mg/Nm <sup>3</sup> , 15– 500 mg/Nm <sup>3</sup>                |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>98 of 137</b>  |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>                                                                                                                                                                                                                                                                                                                                                                        | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Stack Emission Monitoring</b>  | Heavy Metals (Antimony, Arsenic, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Thallium, Vanadium, Zinc, Tin, Selenium, Aluminum)                                                                                                                                                                                                                                                       | USEPA 29:1996                                                      | 1 – 100 µg/Nm <sup>3</sup>                    |
|              |                                   | HC (C1 - C5)                                                                                                                                                                                                                                                                                                                                                                                          | USEPA 18:1996                                                      | 2 – 500 mg/m <sup>3</sup>                     |
|              |                                   | HCl, HF, HBr, Cl <sub>2</sub> , Br <sub>2</sub> ,                                                                                                                                                                                                                                                                                                                                                     | USEPA 26:1996                                                      | 0.5– 500 mg/Nm <sup>3</sup>                   |
|              |                                   | HCHO                                                                                                                                                                                                                                                                                                                                                                                                  | USEPA 0011:1996/USEPA 323:1995                                     | 0.2 – 200 mg/Nm <sup>3</sup>                  |
|              |                                   | PM 10 & 2.5                                                                                                                                                                                                                                                                                                                                                                                           | USEPA 201:1990, 201A:1996                                          | 1 – 500 mg/m <sup>3</sup>                     |
|              |                                   | Benzene                                                                                                                                                                                                                                                                                                                                                                                               | NIOSH 1501:2003                                                    | 1 – 100 mg/Nm <sup>3</sup>                    |
|              |                                   | PAH in Particulate & Gaseous                                                                                                                                                                                                                                                                                                                                                                          | CEPA 429:1997                                                      | 5 – 100 ug/Nm <sup>3</sup>                    |
|              |                                   | Cyanide                                                                                                                                                                                                                                                                                                                                                                                               | CARB Method 426:1987                                               | 0.02 - 10mg/Nm <sup>3</sup>                   |
|              |                                   | VOC (60 Nos)                                                                                                                                                                                                                                                                                                                                                                                          | USEPA 0030:1986 by GCMS-MS                                         | 1 – 500 µg/Nm <sup>3</sup>                    |
|              |                                   | Benzene, Bromobenzene, Bromochloromethane, Chloroform, Bromoform, n-Butylbenzene, ter-Butylbenzene, Carbontetrachloride, Chlorobenzene, 2-Chlorotoluene, 4- Chlorotoluene, Dibromochloromethane, 1,2-Dibromo-3chloropropane, 1,2-Dibromomethane, Dibromomethane, 1, 2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, Cis-1,2- |                                                                    |                                               |

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| Laboratory             | SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana |             |            |
| Accreditation Standard | ISO/IEC 17025: 2005                                                                                |             |            |
| Discipline             | Chemical Testing                                                                                   | Issue Date  | 31.03.2014 |
| Certificate Number     | T-0191                                                                                             | Valid Until | 30.03.2016 |
| Last Amended on        | 23.02.2015                                                                                         | Page        | 99 of 137  |

| S.No. | Product / Material of Test       | Specific Test Performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Test Method Specification against which tests are performed  | Range of Testing / Limits of Detection                       |
|-------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
|       | <b>Stack Emission Monitoring</b> | Dichloroethene, Trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane, 1,1-Dichloropropane, Cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene, Ethyl benzene, Hexachloro- 1,3 – butadiene<br>Isopropylbenzene, Propylbenzene, 4-Isopropyltoluene, Dichloromethane, Bromodichloromethane, Napthalene, Sec- butylbenzene, Styrene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Toluene, 1,2,3-Trichloro benzene, 1,2,4-Trichloro benzene, Trichloroethylene, 1,2,3 – Trichloropropane, 1,2,4-Trimethyle benzene, O-Xylene, m & p –Xylene, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Bromomethane, Vinylchloride, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethylene, 1,2,3 – Trichloropropane, 1,2,4-Trimethyle benzene, 1,2,3-Trimethyle benzene, | USEPA 0030:1986 by GCMS-MS<br><br>USEPA 0030:1986 by GCMS-MS | 1 – 500 µg/Nm <sup>3</sup><br><br>1 – 500 µg/Nm <sup>3</sup> |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>100 of 137</b> |

| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b>                  |
|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------|
|              | <b>Stack Emission Monitoring</b>  | Mercury                        | USEPA 29:1991 / 101A:1991                                          | 1 – 100 µg/ Nm <sup>3</sup>                                    |
|              |                                   | NH <sub>3</sub>                | VDI 3494-Part-1/ IS : 11255 (part 6):1999                          | 0.5 - 100 mg/Nm <sup>3</sup>                                   |
|              |                                   | HCL mist                       | APHA, 22 <sup>nd</sup> Edition No. 824                             | 1.5– 500 mg/Nm <sup>3</sup>                                    |
|              |                                   | Sample Point Location*         | USEPA 1:1996                                                       | NA                                                             |
|              |                                   | Flow rate*                     | IS: 11255 (part 3) – 1985 / USEPA 2:1996                           | Calculated Nm <sup>3</sup> /Hr                                 |
|              |                                   | O <sub>2</sub> *               | IS 13270 (Orsat) / USEPA 3A:1989                                   | Orsat (0.2-100%)/ 0.01 – 25 %                                  |
|              |                                   | CO <sub>2</sub> *              | IS 13270 (Orsat):1992 / USEPA 3A:1989                              | Orsat (0.2-100%) / 0.01 -20%                                   |
|              |                                   | Moisture*                      | USEPA 4:1995                                                       | 0.5 - 30%                                                      |
|              |                                   | Particulate Matter*            | USEPA 5:1996, 5i:1997, IS : 11255 (Part 1):1985 Reaff 1995         | 1 – 5000 mg/m <sup>3</sup>                                     |
|              |                                   | SO <sub>2</sub> *              | USEPA 6C:1996                                                      | 2.6 -3000 mg/Nm <sup>3</sup> , , By Analyzer<br>0.1 – 3000mg/L |
|              |                                   | Oxides of Nitrogen*            | USEPA 7 E:1990                                                     | 50 – 3000 mg/Nm <sup>3</sup> / 0.01-2500 mg/L                  |
|              |                                   | CO*                            | USEPA 10:1996                                                      | 1 – 100mg/L & 100 – 1000mg/L                                   |
|              |                                   | PM 10 & 2.5*                   | USEPA 201:1996, 201A:1996                                          | 1 – 500 mg/m <sup>3</sup>                                      |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
| <b>Last Amended on</b>        | <b>23.02.2015</b>                                                                                         | <b>Page</b>        | <b>101 of 137</b> |

| S.No.     | Product / Material of Test                      | Specific Test Performed                                                      | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection                       |
|-----------|-------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
|           | <b>Stack Emission Monitoring</b>                | VOC/TOC*                                                                     | USEPA 25A:1996                                              | 1- 100 mgC/m <sup>3</sup> ,<br>100- 10000 mgC/m <sup>3</sup> |
| <b>4.</b> | <b>Work Zone Air Quality/ Fugitive Emission</b> | RSPM                                                                         | NIOSH 0600 :1998                                            | 0.1mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                 |
|           |                                                 | SPM                                                                          | NIOSH 0500:1994                                             | 0.27mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                |
|           |                                                 | HEAVY METAL [Cu, Ni, Mo, V, Fe, As, Cr, Cd, Co, Hg, Pb, Zn, Mn, Sb]          | NIOSH 7300:2003 / 7301-2003 / 7303:2003; OSHA 145:1989      | 0.06µg/m <sup>3</sup> to 5000µg/m <sup>3</sup>               |
|           |                                                 | Sulphur Dioxide (SO <sub>2</sub> )                                           | OSHA 104:1994                                               | 1.0 to 100 µg/m <sup>3</sup>                                 |
|           |                                                 | Volatile Organic Compounds(BTEX & Trichloro ethylene )                       | NIOSH 1501:2003/NIOSH 1022:1994                             | 1.0 to 1000mg/L (Benzene from 0.1 to 1000mg/L)               |
|           |                                                 | Acid Mist (H <sub>2</sub> SO <sub>4</sub> , HCl, HF, HNO <sub>3</sub> , HBr) | NIOSH 7903:1994                                             | 1.0mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                 |
|           |                                                 | Oil Mist                                                                     | NIOSH 5026:1996                                             | 0.26mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                |
|           |                                                 | Methanol                                                                     | NIOSH 2549:1996/ NIOSH 2000:1998                            | 1.0mg/m <sup>3</sup> to 1000mg/m <sup>3</sup>                |
|           |                                                 | Cr VI                                                                        | NIOSH 7600:1994                                             | 0.5µg/m <sup>3</sup> to 100µg/m <sup>3</sup>                 |
|           |                                                 | Cyanide                                                                      | NIOSH 7904:1994                                             | 0.1mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                 |
|           |                                                 | Fluoride                                                                     | NIOSH 7906:1994                                             | 0.1mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                 |
|           |                                                 | Chloride                                                                     | NIOSH 7906:1996                                             | 0.1mg/m <sup>3</sup> to 5000mg/m <sup>3</sup>                |
|           |                                                 | Silica                                                                       | NIOSH 7601:2003                                             | 2mg/m <sup>3</sup> to 100mg/m <sup>3</sup>                   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| S.No.     | Product / Material of Test                      | Specific Test Performed | Test Method Specification against which tests are performed                        | Range of Testing / Limits of Detection       |
|-----------|-------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|----------------------------------------------|
|           | <b>Work Zone Air Quality/ Fugitive Emission</b> | NH <sub>3</sub>         | NIOSH 6015-1994; Method 401 : Method of Air Sampling & Analysis, Edition: 3 (1988) | 10µg/m <sup>3</sup> to 1000µg/m <sup>3</sup> |
|           |                                                 | HCHO                    | Method 117 : Method of Air Sampling & Analysis, Edition: 3: 1988                   | 10- 1000µg/m <sup>3</sup>                    |
|           |                                                 | NO <sub>2</sub>         | NIOSH 6014:1994                                                                    | 0.5- 100mg/m <sup>3</sup>                    |
|           |                                                 | H <sub>2</sub> S        | IS 5182, (Part 7):1973                                                             | 30- 1000µg/m <sup>3</sup>                    |
|           |                                                 | Chlorine                | IS 5182, Part 19:1982                                                              | 0.01- 100mg/m <sup>3</sup>                   |
|           |                                                 | RSPM*                   | NIOSH 0600:1998                                                                    | 0.27-100mg/m <sup>3</sup>                    |
|           |                                                 | SPM*                    | NIOSH 0500:1994                                                                    | 0.27- 100mg/m <sup>3</sup>                   |
|           |                                                 | Heat Stress*            | OSHA technical manual, Section III: Chapter 4 (1999)                               | WBGT Index 20 to 50 ° C                      |
|           |                                                 | CO*                     | NIOSH 6604:1996                                                                    | 1- 100mg/L                                   |
|           |                                                 | VOC Leaks*              | EPA Method 21:1995                                                                 | 1µg/L -20,000 mg/L                           |
|           |                                                 | Asbestos*               | VDI 3492 / VDI 3877 / NIOSH 9002 :1994                                             | 100 - 10000 fibers/m <sup>3</sup>            |
| <b>5.</b> | <b>Indoor Air Quality (IAQ)</b>                 | CO*                     | EPA Method IP - 3C/ By Instrument                                                  | 0.1-500 mg/L                                 |
|           |                                                 | CO <sub>2</sub> *       | EPA Method IP - 3A/ By Instrument                                                  | 0.1-100 mg/L & 100-2000 mg/L                 |
|           |                                                 | RSPM*                   | EPA Method IP - 10B                                                                | 0.1 – 1000 µg/Nm <sup>3</sup>                |
|           |                                                 | Ventilation Rate*       | ASHRAE-62:2007                                                                     | 5 - 1000 CFM per person                      |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| S.No.                                  | Product / Material of Test               | Specific Test Performed             | Test Method Specification against which tests are performed                         | Range of Testing / Limits of Detection |
|----------------------------------------|------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
|                                        | <b>Indoor Air Quality (IAQ)</b>          | Lux Level (Light Intensity)*        | BS 667:2005/SO-GUML-ENVI-E01-QU-013/version1.0/15.01.2014                           | 1 - 1000 lux, 1000-10000 lux           |
|                                        |                                          | Temperature*                        | ASTM E 2877-12e1: 2013/SO-GUML-ENVI-E01-QU-016/version1.0/15.01.2014                | (-) 10 - (+) 70 °C                     |
|                                        |                                          | Humidity*                           | ASTM E337-02:2007/ASTM D 4230-02:2012/SO-GUML-ENVI-E01-QU-014/version1.0/15.01.2014 | 0 - 98%                                |
|                                        |                                          | Sulphur Dioxide [SO <sub>2</sub> ]* | EPA Method IP - 5 A                                                                 | 1- 100 mg/L                            |
|                                        |                                          | Total Volatile Organic Compounds*   | USEPA 25 A:1996                                                                     | 0.001- 20,000 mg/L                     |
|                                        |                                          | Oxides of Nitrogen [NOX]            | EPA Method IP - 5 A                                                                 | 1-100 mg/L                             |
|                                        |                                          | Copper & Silver Reactivity Test     | ISA 71.04, 1985                                                                     | 50 -5000 Å/month                       |
| <b>V. NOISE MONITORING</b>             |                                          |                                     |                                                                                     |                                        |
|                                        |                                          | Ambient Noise*                      | IS 9989: 1981 / IS 4758: 1968                                                       | 34-140 dB (A)                          |
|                                        |                                          | Work zone Noise*                    | IS 7194: 1994 / IS 9989: 1981 / IS 4758: 1968'                                      | 70 - 140 dB(A)                         |
| <b>VI. POLLUTION &amp; ENVIRONMENT</b> |                                          |                                     |                                                                                     |                                        |
| <b>1.</b>                              | <b>Liquid Effluent &amp; Waste Water</b> | Suspended solid                     | APHA 22 <sup>nd</sup> EDITION ,2012 (2540-D)/IS:3025 : (Part-15):1984               | 5 – 100 mg/L, 100 – 1000 mg/L          |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>           | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------------|--------------------------------|------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | Dissolved solid                | APHA 22 <sup>nd</sup> EDITION 2012 (2540C)/ IS 3025 (Part -16):1984          | 5 – 100 mg/L,<br>100 – 1000 mg/L              |
|              |                                          | Total solid                    | IS:3025 : (Part-15):1984/ APHA 22 <sup>nd</sup> EDITION 2012 (2540 B)        | 5 – 100 mg/L,<br>100 – 1000 mg/L              |
|              |                                          | Fixed solid                    | APHA 22 <sup>nd</sup> EDITION2005 (2540-E)/IS 3025 (PART-18):1984            | 4 – 100 mg/L,<br>100 – 1000 mg/L              |
|              |                                          | Volatile solid                 | APHA 22 <sup>nd</sup> EDITION2005 (2540-E)/IS 3025 (Part-18):1984            | 4 – 100 mg/L,<br>100 – 1000 mg/L              |
|              |                                          | pH                             | APHA 22 <sup>nd</sup> EDITION 2005(4500H-B)/ IS3025 (Part-11):1983           | 1 – 13                                        |
|              |                                          | Oil & Grease                   | IS 3025 (part-39):1991 Reaff-2003/ APHA 22 <sup>nd</sup> EDITION 2012(5520B) | 2 – 100mg/L,<br>100 – 5000mg/L                |
|              |                                          | Total residual chlorine        | APHA 22 <sup>nd</sup> EDITION 2012/(4500 B&C)IS:3025 : (Part-26):1986        | 0.2– 500 mg/L                                 |
|              |                                          | Ammonia. Nitrogen              | APHA 22 <sup>nd</sup> EDITION 2012 (4500 NH4-C)/ IS 3025 (Part-34):1988      | 2– 500 mg/L                                   |
|              |                                          | BOD                            | APHA 22 <sup>nd</sup> EDITION 2005 (5210-B)/IS 3025 (Part44):1993            | 2– 500 mg/L,<br>500– 10000 mg/L               |
|              |                                          | COD                            | APHA 22 <sup>nd</sup> EDITION 2012 (5220-B)/IS 3025 (Part-58):2006           | 5– 250 mg/L,<br>250 –50000mg/L                |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>        | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------------|--------------------------------|---------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | DO                             | APHA 22 <sup>nd</sup> EDITION 2012 (4500-O-C)/IS 3025 (Part-38):1989      | 1– 15 mg/L                                    |
|              |                                          | Free CO <sub>2</sub>           | APHA 22 <sup>nd</sup> Edition 2012 (4500 CO2-C)/ IS 3025 (Part-61):2008   | 2– 100 mg/L                                   |
|              |                                          | Fluoride                       | APHA 22 <sup>nd</sup> EDITION 2012 (4500-FD)/IS 3025 (Part-60):2008       | 0.1 – 100 mg/L,<br>100 – 500 mg/L             |
|              |                                          | Sulphate                       | APHA 22 <sup>nd</sup> EDITION 2012 (4500-SO4 E) /IS 3025 Part - 24:1986   | 2 – 100 mg/L,<br>100– 1000 mg/L               |
|              |                                          | Phosphate                      | APHA 22 <sup>nd</sup> EDITION 2012 (4500-P C &D)/IS 3025 (Part-31)1988    | 2 mg/L – 100 mg/L,<br>100mg/L – 1000 mg/L     |
|              |                                          | Cyanide                        | APHA 22 <sup>nd</sup> EDITION 2012(4500-CN-C&E) / IS 3025 P - 27:1986     | 0.01 – 100 mg/L,<br>100– 1000 mg/L            |
|              |                                          | Anionic surface active agent   | APHA 22 <sup>nd</sup> EDITION 2012 (5540- B &C) /Annex K IS 13428:2005    | 0.1 – 500 mg/L                                |
|              |                                          | Nitrate                        | APHA 22 <sup>nd</sup> EDITION 2012 (4500-NO3- B)/ IS:3025 ( Part-34):1988 | 2 – 100 mg/L,<br>100– 1000 mg/L               |
|              |                                          | Nitrite                        | APHA 22 <sup>nd</sup> EDITION 2012 (4500-NO2 B)/ IS:3025 ( Part-34):1988  | 0.02 – 2 mg/L                                 |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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|--------------|------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | Silica                                   | APHA 22nd EDITION 2012 (4500 C,D,E)/ IS 3025 (Part-35):1988                            | 2 – 100 mg/L,<br>100– 1000 mg/L               |
|              |                                          | Total Alkalinity (as CaCO <sub>3</sub> ) | APHA 22nd EDITION 2012 (2320 B) / IS 3025 (Part - 23):1986                             | 2 – 100 mg/L,<br>100– 1000 mg/L               |
|              |                                          | Acidity                                  | APHA 22nd EDITION 2012 (2310-B)/IS 3025 (Part-22):1986                                 | 2– 100 mg/L,<br>100– 1000 mg/L                |
|              |                                          | Turbidity                                | IS:3025 : (Part-10):1984/<br>APHA 22nd EDITION (2130-B)                                | 0.1 – 500 NTU                                 |
|              |                                          | Colour                                   | APHA 22nd EDITION 2012 (2120B) / IS 3025 (Part - 4): 1983                              | 2 – 500 Hz                                    |
|              |                                          | Aluminium                                | APHA 22nd EDITION 2012 (3120 B) / IS 3025 (Part - 55):2003/IS 3025 (Part- 2):2004      | 0.01 – 100 mg/L                               |
|              |                                          | Arsenic                                  | APHA 22nd EDITION 2012(3120B/3125B) / IS 3025 (Part - 37):1988/ IS 3025 (Part- 2):2004 | 0.005 – 100 mg/L                              |
|              |                                          | Boron                                    | IS 3025 (PART- 2) :2004/<br>PHA 22nd EDITION 2012 (3120-B)/IS 3025 (Part-57):2005      | 0.005 – 500 mg/L                              |
|              |                                          | Barium                                   | APHA 22nd EDITION 2012 (3120-B) /IS 3025 (Part- 2) :2004/ IS 15302:2003                | 0.001 – 100 mg/L,<br>100mg/L – 1000 mg/L      |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | Cadmium                        | APHA 22nd EDITION 2012 (3120B/3125B) / IS 3025 (Part - 41):1992/IS 3025 (Part- 2):2004                    | 0.001 – 100 mg/L                              |
|              |                                          | Chromium                       | APHA 22nd EDITION 2012 (3120B/3125B) / IS 3025 (Part-52):2003/IS 3025 (Part-2):2004 Annex J IS 13428:2005 | 0.005 – 100mg/L                               |
|              |                                          | Hexavalent chromium            | APHA 22nd EDITION 2012(3500 Cr-B)/ IS Part 52 of 3025 : 2003                                              | 0.1– 500 mg/L                                 |
|              |                                          | Copper                         | APHA 22nd EDITION 2012 (3120-B) / IS 3025 (Part - 42):1983/ IS 3025 (PART- 2) :2004                       | 0.005– 100 mg/L                               |
|              |                                          | Iron                           | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Fe) / IS 3025 P - 53 :2003 IS 3025 (Part- 2) :2004               | 0.25– 100 mg/L                                |
|              |                                          | Manganese                      | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Mn) / IS 3025 (Part-59):2006/ IS 3025 (Part- 2) :2004            | 0.005– 100 mg/L                               |
|              |                                          | Mercury                        | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Hg) IS 3025 (PART- 48):1994                                      | 0.001– 100 mg/L                               |
|              |                                          | Lead                           | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) / IS 3025 (Part - 47):1994/IS 3025 (Part- 2):2004        | 0.005– 100 mg/L                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                     | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | Nickel                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B) /IS 3025 (Part- 2):2004/ IS 3025 (PART-54):2003/Annex L IS:13428:2005 | 0.005– 100 mg/L                               |
|              |                                          | Selenium                       | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 (P - 56):2003/IS 3025 (Part- 2):2004                              | 0.005– 100 mg/L                               |
|              |                                          | Tin                            | APHA 22 <sup>nd</sup> EDITION 2012 (3120B/3125B)                                                                       | 0.05– 100 mg/L                                |
|              |                                          | Antimony                       | APHA 22 <sup>nd</sup> EDITION 2012/(3120B/3125B)/IS 3025 (PART- 2):2004/Annex J IS 13428:2005                          | 0.005– 100 mg/L                               |
|              |                                          | Silver                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / Annex J IS:13428:2005/IS 3025 (PART- 2):2004                              | 0.005– 100 mg/L                               |
|              |                                          | Sodium                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 ( Part - 45):1993/ IS 3025 (PART- 2):2004                         | 0.05– 100 mg/L, 100– 1000 mg/L                |
|              |                                          | Cobalt                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120B)/IS 3025 (PART-2):2004                                                       | 0.005– 100 mg/L                               |
|              |                                          | Bio-Assay                      | IS 6582(part-2):2001/ IS 6582:1973                                                                                     | Not Applicable                                |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b>                                  | <b>Test Method Specification against which tests are performed</b>                                                                              | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Liquid Effluent &amp; Waste Water</b> | Potassium                                                       | APHA 22 <sup>nd</sup> EDITION 2012 (3120 B)/IS 3025(PART-45):1993/<br>IS 3025 (PART-2):2004                                                     | 0.05– 100 mg/L,<br>100– 1000 mg/L             |
|              |                                          | Zinc                                                            | APHA 22 <sup>nd</sup> EDITION 2012 (3120B) / IS 3025 (Part - 9):1994 /IS 3025 (PART- 2):2004                                                    | 0.005 – 100 mg/L,<br>100– 1000 mg/L           |
|              |                                          | Calcium                                                         | APHA 22 <sup>nd</sup> EDITION 2012 (3120 B)/ APHA 22 <sup>nd</sup> EDITION 2012(3500 B)/<br>IS:3025 : Part-40):1991 /<br>IS 3025 (PART- 2):2004 | 0.25 – 100 mg/L,<br>100– 1000 mg/L            |
|              |                                          | Magnesium                                                       | APHA 22 <sup>nd</sup> EDITION 2012 (3500-Mg B) / IS 3025 (P - 46):1994/IS 3025 (PART- 2):2004/ APHA 22 <sup>nd</sup> EDITION 2012 (3120 B)      | 0.05 – 100 mg/L,<br>100– 1000 mg/L            |
|              |                                          | Sulphide                                                        | IS:3025 : (Part-29):1986/ APHA 22 <sup>nd</sup> EDITION 2012(4500 D&F)                                                                          | 0.05– 50mg/L                                  |
| <b>2.</b>    | <b>Solid Waste/ Sludge/Soil</b>          | Lead, Cadmium, Arsenic, Mercury, Chromium, Nickel, Cobalt, Zinc | USEPA – SW846:1986 / AOAC 990.08, 19 <sup>TH</sup> EDITION                                                                                      | 2– 100 mg/kg<br>100 – 1000 mg/kg              |
|              |                                          | Antimony, Beryllium, Selenium, Tellurium, Thallium              | USEPA 3050B:<br>1996/3051A:1996/3052:1996                                                                                                       | 2 – 100 mg/kg                                 |
|              |                                          | Copper,Manganese,Thallium,Vanadium,Tin,Iron                     | USEPA 3050B:<br>1996/3051A:1996/3052:1996                                                                                                       | 2 – 1000 mg/kg                                |
|              |                                          | Inorganic Cyanide Compounds                                     | USEPA 9010:1996                                                                                                                                 | 0.2 – 100 mg/kg                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|----------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Solid Waste/ Sludge/Soil</b>   | Sulfides                               | USEPA 9030 A:1996                                                  | 10 – 200 mg/kg                                |
|              |                                   | Calorific Value                        | IS 1350 ( Part 2 )1970, Reaffirmed 2000                            | 80 - 12000 kcal/kg                            |
|              |                                   | Moisture                               | ASTM D 3173:2003                                                   | 0.1 % - 95 %                                  |
|              |                                   | Volatile Matter                        | ASTM D 3175:2007                                                   | 0.1 % - 95 %                                  |
|              |                                   | Ash                                    | ASTM D 3174:2004                                                   | 0.1 % - 95 %                                  |
|              |                                   | Fixed Carbon                           | ASTM D 3172:2007                                                   | 0.1 % - 95 %                                  |
|              |                                   | Pentachloro Phenol                     | USEPA 8270 C:1996                                                  | 0.5 – 100 mg/kg                               |
|              |                                   | <b>Polychlorinated Biphenyls (PCB)</b> |                                                                    |                                               |
|              |                                   | 2,4,4'-TRICHLOROBIPHENYL               | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |
|              |                                   | 2,2',5,5'-TETRACHLOROBIPHENYL          | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |
|              |                                   | 2,2',4,5,5'-PENTACHLOROBIPHENYL        | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |
|              |                                   | 2,2',4,5,5'-HEXACHLOROBIPHENYL         | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |
|              |                                   | 2,2',3,4',4,5'-HEXACHLOROBIPHENYL      | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |
|              |                                   | 2,2',3,4,4',4,5'-HEPTACHLOROBIPHENYL   | USEPA 8082 A:1999 by GCMS                                          | 0.5 – 100 mg/kg                               |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|----------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Solid Waste/ Sludge/Soil</b>   | <b>Organochlorine/Organophosphorous Pesticides</b> |                                                                    |                                               |
|              |                                   | o,p' DDT                                           | USEPA 8270<br>C:1996/8270D:1998 by GCMS                            | 0.5 - 100mg/kg                                |
|              |                                   | p,p' DDT                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | o,p' DDE                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | p,p' DDE                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | o,p' DDD                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | p,p' DDD                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Lindane                                            |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Alpha HCH                                          |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Beta HCH                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Delta HCH                                          |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Alpha Endosulfan                                   |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Beta Endosulfan                                    |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Endosulfan sulfate                                 |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Monocrotophos                                      |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Ethion                                             |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Chlorpyrifos                                       |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Phorate                                            |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Phorate sulfoxide                                  |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Phorate sulfone                                    |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | 2,4 D                                              |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Butachlor                                          |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Isoproturon                                        |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Alachlor                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Atrazine                                           |                                                                    | 0.5 - 100mg/kg                                |
|              |                                   | Methyl parathion                                   | USEPA 8270<br>C:1996/8270D:1998 by GCMS                            | 0.5 - 100mg/kg                                |
|              |                                   | Methyl paraxon                                     |                                                                    | 0.5 - 100mg/kg                                |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
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|--------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-------------------------------------------------|
|              | <b>Solid Waste/ Sludge/Soil</b>   | Malathion                         |                                                                    | 0.5 - 100mg/kg                                  |
|              |                                   | Malaxon                           |                                                                    | 0.5 - 100mg/kg                                  |
|              |                                   | Aldrin                            |                                                                    | 0.5 - 100mg/kg                                  |
|              |                                   | Dieldrin                          |                                                                    | 0.5 - 100mg/kg                                  |
|              |                                   | Total Organic Carbon              | IS 2720 (Part-22):1972                                             | 0.1 – 40 % by Wt                                |
|              |                                   | Organo-Tin Compounds              | USEPA 8323:2003                                                    | 0.5 – 200 mg/kg                                 |
|              |                                   | Organic Peroxides                 | ASTM E 298 :2001                                                   | 170 – 2000 mg/kg                                |
|              |                                   | Organic Azo-Compounds             | USEPA – 8270 D:1998                                                | 100 – 2000 mg/kg                                |
|              |                                   | Amines                            | USEPA – 8270 D:1998                                                | 100 – 2000mg/kg                                 |
|              |                                   | Organic Nitro- Nitroso Compounds  | USEPA 8091:1996, 609:1995, 8070 A:1996, 607:1995, 8270D:1998       | 10 – 200 mg/kg                                  |
|              |                                   | Phenol & Phenolic Compounds       | USEPA – 9065:1986                                                  | 10 – 200 mg/kg                                  |
|              |                                   | Mercaptans                        | SCAQMD Method 315 :1991                                            | 500 – 5000 mg/kg                                |
|              |                                   | Nitriles (Acrylonitrile)          | NIOSH 1604:1994 & USEPA 8031:1994                                  | 100 – 2000 mg/kg                                |
|              |                                   | Total Petroleum Hydrocarbon (TPH) | USEPA 8015 B:1996                                                  | Liquid (10 - 200mg/l) & Solid (150 - 1000mg/kg) |
|              |                                   | Cation Exchange Capacity          | IS:2720 (Part-24):1976                                             | 2 to 100 meq/100g                               |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
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|-------|-----------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|----------------------------------------|
| 3.    | <b>Toxic Waste (Used Oil/ Waste Oil/ Transformer Oil/ Sludge Oil)</b> | <b>Polychlorinated Biphenyls (PCB)</b>  |                                                             |                                        |
|       |                                                                       | 2,4,4'-Trichlorobiphenyl                | USEPA 600:1995 by GCMS                                      | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | 2,2',5,5'-Tetrachlorobiphenyl           |                                                             | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | 2,2',4,5,5'-Pentachlorobiphenyl         |                                                             | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | 2,2',4,5,5'-Hexachlorobiphenyl          |                                                             | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | 2,2',3,4',4,5'-Hexachlorobiphenyl       |                                                             | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | 2,2',3,4',4,5'-Heptachlorobiphenyl      |                                                             | 0.5 mg/kg – 50 mg/kg                   |
|       |                                                                       | <b>Poly aromatic hydrocarbons (PAH)</b> |                                                             |                                        |
|       |                                                                       | Naphthalene                             | USEPA 600:1995 by GCMS                                      | 0.5 – 50 mg/kg                         |
|       |                                                                       | Acenaphthylene                          |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Acenaphthene                            |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Fluorene                                |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Phenanthrene                            |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Anthracene                              |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Fluoranthene                            |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Pyrene                                  |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Benzo(a)anthracene                      |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Chrysene                                |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Benzo(b)fluoranthene                    |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Benzo(K)fluoranthene                    |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Benzo(a)pyrene                          |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Benzo(ghi)perylene                      |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Dibenzo(ah)anthracene                   |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Indeno(1,2,3-cd)pyrene                  |                                                             | 0.5 – 50 mg/kg                         |
|       |                                                                       | Total Halogen                           | USEPA 9077:1994                                             | 100– 5000 mg/Kg                        |
|       |                                                                       | Sediment (%) in sludge oil              | ASTM D 473:2007                                             | 0.1 – 10%                              |
|       |                                                                       | Heavy Metal                             | US EPA 3031:1996                                            | 1 - 50 mg/Kg                           |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| <b>VII.</b>  | <b>Water &amp; Soil For Residual Analysis</b> | <b>Phenolic Compounds</b>      |                                                                    |                                               |
|              |                                               | 2-Chlorophenol                 | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2-Methylphenol                 |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 3- & 4-Methylphenol            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2-Nitrophenol                  |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,4-Dimethylphenol             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,4-Dichlorophenol             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,6-Dichlorophenol             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Chloro-3-Methylphenol        |                                                                    | Soil: 0.2 – 20mg/Kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,4,6-Trichlorophenol          |                                                                    | Soil: 0.2 – 20mg/Kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,4,5-Trichlorophenol          |                                                                    | Soil: 0.2 – 20mg/Kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pentachlorophenol              |                                                                    | Soil: 0.2 – 20mg/Kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------------------|------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | <b>Polynuclear Aromatic Hydrocarbons (PAH)</b> |                                                                    |                                               |
|              |                                               | Naphthalene                                    | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2-Methylnaphthalene                            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2-Chloronaphthalene                            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Acenaphthylene                                 |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Acenaphthene                                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Fluorene                                       | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Phenanthrene                                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Anthracene                                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Fluoranthene                                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pyrene                                         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-2-Fluorenyl Acetamide                        |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b>     | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | Benz(a)anthracene                  | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Chrysene                           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Benzo(b) &<br>Benzo(k)fluoranthene |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 7.12-Dimethylbenz(a)anthracene     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Benzo(a)pyrene                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 3-Methylcholanthrene               |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Indeno(1.2.3.cd)pyrene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dibenz(a.h)anthracene              |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Benzo(g,h,i)perylene               |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Phthalate Esters                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dimethyl phthalate                 |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | Diethyl phthalate              | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Di-n-butyl phthalate           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Butyl benzyl phthalate         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | bis(2-ethylhexyl) phthalate    |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Di-n-octylphthalate            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | <b>Nitrosamines</b>            | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosomethylethylamine      |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosodiethylamine          |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosopyrrolidine           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Phthalate Esters               |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dimethyl phthalate             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | Diethyl phthalate              | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Di-n-butyl phthalate           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Butyl benzyl phthalate         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | bis(2-ethylhexyl) phthalate    |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Di-n-octylphthalate            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | <b>Nitrosamines</b>            | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosomethylethylamine      |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosodiethylamine          |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | N-Nitrosopyrrolidine           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2,4-Dinitrotoluene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1-Naphthylamine                |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Nitroquinoline-N-oxide       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | 5-Nitro-o-toluidine            |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Azobenzene                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1.3.5-Trinitrobenzene          |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Phenacetin                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Aminobiphenyl                |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pentachloronitrobenzene        |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pronamide                      |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dimethylaminoazobenzene        |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Chlorobenzilate                |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | <b>Haloethers</b>              |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Bis(2-chloroethyl) ether       | US EPA 8270 D:1998 by GCMS                                         |                                               |
|              |                                               | Bis(2-chloroethoxy) methane    |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | 4-Chlorophenyl phenyl ether     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Bromophenyl phenyl ether      |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | <b>Chlorinated Hydrocarbons</b> |                                                                    |                                               |
|              |                                               | 1.3-Dichlorobenzene             | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1.4-Dichlorobenzene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1.2-Dichlorobenzene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Hexachloroethane                |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1.2.4-Trichlorobenzene          |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Hexachloropropylene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Hexachlorobutadiene             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Hexachlorocyclopentadiene       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pentachlorobenzene              |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Hexachlorobenzene (HCB)         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |



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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------------------|----------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | <b>Anilines and Benzidines</b>   |                                                                    |                                               |
|              |                                               | Aniline                          | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Chloroaniline                  |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2-Nitroaniline                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 3-Nitroaniline                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dibenzofuran                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4-Nitroaniline                   |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Carbazole                        |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 3,3'-Dichlorobenzidine           |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | <b>Organochlorine Pesticides</b> |                                                                    |                                               |
|              |                                               | alpha-BHC                        | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | beta-BHC                         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | gamma-BHC                        |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | delta-BHC                      |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Heptachlor                     |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Aldrin                         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Heptachlor epoxide             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | alpha-Endosulfan               |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4,4'-DDE                       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dieldrin                       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Endrin                         |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | beta-Endosulfan                |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4,4'-DDD                       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Endosulfan sulfate             |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 4,4'-DDT                       |                                                                    | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Laboratory</b>             | <b>SGS India Private Limited, Multi Laboratory Services, 267, Udyog Vihar, Phase-IV, Gurgaon, Haryana</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b>     | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | <b>Organophosphorus Pesticides</b> |                                                                    |                                               |
|              |                                               | Dichlorvos                         | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Dimethoate                         | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Diazinon                           | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Chlorpyrifos-methyl                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Malathion                          | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Fenthion                           | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Chlorpyrifos                       | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Pirimphos-ethyl                    | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Chlorfenvinphos                    | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Prothiofos                         | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Ethion                             | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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|--------------|-----------------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | <b>Miscellaneous Compounds</b> |                                                                    |                                               |
|              |                                               | 1.3.5-Trichlorobenzene         | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 1.2.4.5-Tetrachlorobenzene     | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Methanesulfonate methyl        | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Methanesulfonate ethyl         | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | cis-Isosafrole                 | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | trans-Isosafrole               | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Safrole                        | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Diallate                       | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | 2.3.4.6-Tetrachlorophenol      | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>             | <b>Specific Test Performed</b>         | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------------------|----------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Water &amp; Soil For Residual Analysis</b> | <b>Poly Chlorinated Biphenyl (PCB)</b> |                                                                    |                                               |
|              |                                               | PCB 28                                 | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 52                                 | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 101                                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 118                                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 138                                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 153                                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | PCB 180                                | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
|              |                                               | Total Petroleum hydrocarbon            | US EPA 8270 D:1998 by GCMS                                         | Soil: 0.2 – 20mg/kg,<br>Water: 0.5 – 50µg/L   |
| <b>VIII.</b> | <b>SOIL</b>                                   | <b>Volatile Organic Carbon (VOC)</b>   |                                                                    |                                               |
|              |                                               | 1) Dichlorodifluoromethane             | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                               | 2) Chloromethane                       | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 3) Vinyl Chloride              | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 4) Chloroethane                | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 5) Allylchloride               | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 6) Trichlorofluoromethane      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 7) Acetone                     | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 8) 1,1-Dichloroethene          | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 9) Iodomethane                 | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 10) Dichloromethane            | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 11) Carbondisulfide            | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 12) Trans-1,2-Dichloroethene   | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 13) 1,1-Dichloroethane         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 14) MEK                        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 15) Cis-1,2-Dichloroethene     | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 16) Bromochloromethane         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 17) Chloroform                 | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 18) 2,2-Dichloropropane        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 19) 1,2-Dichloroethane         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 20) 1,1,1-Trichloroethane      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 21) 1,1-Dichloropropene        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 22) Carbontetrachloride        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 23) Benzene                    | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 24) Dibromomethane             | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 25) 1,2-Dichloropropane        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 26) Trichloroethene            | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 27) Bromodichloromethane       | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 28) Cis-1,3-Dichloropropene    | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 29) MIBK                       | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 30) Toluene                    | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 31) Ethylbenzene               | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 32) m/p Xylene                 | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 33) O-Xylene                   | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 34) Trans-1,3-Dichloropropene  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 35) 1,1,2-Trichloroethane      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 36) 1,3-Dichloropropane        | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |



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| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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|--------------|-----------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 37) Dibromochloromethane       | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 38) 2-Hexanone                 | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 39) 1,2-Dibromoethane          | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 40) Tetrachloroethene          | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 41) 1,1,1,2-Tetrachloroethane  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 42) Chlorobenzene              | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 43) Bromoform                  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 44) Cis-1,4-dichloro-2-butene  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 45) Styrene                    | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 46) 1,1,2,2-Tetrachloroethane  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 47) 1,2,3-Trichloropropane     | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |

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|--------------|-----------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 48) Trans-1,4-dichloro-2-butene | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 49) Isopropyl benzene           | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 50) Bromobenzene                | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 51) n-Propylbenzene             | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 52) 2-Chlorotoluene             | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 53) 4-Chlorotoluene             | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 54) 1,3,5-Trimethylbenzene      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 55) 1,2,4-Trimethylbenzene      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 56) Pentachloroethane           | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 57) tert-Butylbenzene           | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 58) Sec-Butylbenzene            | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 59) 1,3-Dichlorobenzene         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |

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|--------------|-----------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Soil</b>                       | 60) 1,4-Dichlorobenzene         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 61) 1,2-Dichlorobenzene         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 62) p-Isopropyl toluene         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 63) n-Butylbenzene              | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 64) 1,2-Dibromo-3-chloropropane | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 65) 1,2,4-Trichlorobenzene      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 66) Napthalene                  | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 67) Hexachlorobutadiene         | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 68) 1,2,3-Trichlorobenzene      | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 0.01 – 10 mg /kg                              |
|              |                                   | 69) Bromomethane                | USEPA 8260B: 1996 by GCMS-Purge & Trap                             | 2.5 – 10 mg/Kg                                |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b>                           | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>  | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|----------------------------------------|-----------------------------------|---------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| <b>IX. DRUGS &amp; PHARMACEUTICALS</b> |                                   |                                 |                                                                    |                                               |
| <b>1.</b>                              | <b>Pharmaceutical Formulation</b> |                                 |                                                                    |                                               |
| <b>a.</b>                              | <b>Tablets</b>                    |                                 |                                                                    |                                               |
| <b>b.</b>                              | <b>Pyrazinamide tablets</b>       | Related substances (by TLC)     | IP 2014,2597-98                                                    | Pass/ Fail                                    |
|                                        |                                   | Identification B( UV)           | IP 2014,2597-98                                                    | Pass/ Fail                                    |
|                                        |                                   | Identification C                | IP 2014,2597-98                                                    | Pass/ Fail                                    |
|                                        |                                   | Assay (by UV spectrophotometer) | IP 2014,2597-98                                                    | 95%-105%                                      |
|                                        |                                   | Average Weight                  | IP 2014,2597-98                                                    | Pass/ Fail                                    |
|                                        |                                   | Uniformity of weight            | IP 2014,2597-98                                                    | Within limit+/-5% of the average weight       |
| <b>c.</b>                              | <b>Rifampicin tablet</b>          | Identification B( HPLC)         | IP 2014,2662-63                                                    | Pass/Fail                                     |
|                                        |                                   | Related substances (by HPLC)    | IP 2014,2662-63                                                    | Pass/Fail                                     |
|                                        |                                   | Assay ( HPLC)                   | IP 2014,2662-63                                                    | 92.5%-107.5%                                  |
|                                        |                                   | Average Weight                  | IP 2014,2662-63                                                    | Pass/Fail                                     |
|                                        |                                   | Uniformity of weight            | IP 2014,2662-63                                                    | Within limit+/-7.5% of the average weight     |
|                                        |                                   | Dissolution                     | IP 2014,2662-63                                                    | Not less than 75%                             |
| <b>d.</b>                              | <b>Ethambutol Tablets</b>         | Identification (by chemical )   | IP 2014,1697-98                                                    | Pass/Fail                                     |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b> | <b>Specific Test Performed</b>   | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|-----------------------------------|----------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
|              | <b>Ethambutol Tablets</b>         | Assay(by HPLC)                   | IP 2014,1697-98                                                    | 95-105%                                       |
|              |                                   | Average Weight                   | IP 2014,1697-98                                                    | Pass/Fail                                     |
|              |                                   | Uniformity of weight             | IP 2014,1697-98                                                    | Within limit+/-7.5% of the average weight     |
|              |                                   | 2-amino butanol(by TLC)          | IP 2014,1697-98                                                    | Pass/fail                                     |
|              |                                   | Dissolution                      | IP 2014,1697-98                                                    | Not less than 75%                             |
| <b>e.</b>    | <b>Isoniazide Tablet</b>          | Identification -B (by chemical ) | IP 2014, 2006-07                                                   | Pass/Fail                                     |
|              |                                   | Related substances (by HPLC)     | IP 2014, 2006-07                                                   | Total RS : NMT 2.0%                           |
|              |                                   | Assay(by HPLC)                   | IP 2014, 2006-07                                                   | 95 % TO 105%                                  |
|              |                                   | Average Weight                   | IP 2014, 2006-07                                                   | NA                                            |
|              |                                   | Uniformity of weight             | IP 2014, 2006-07                                                   | Within limit+/-5% of the average weight       |
|              |                                   | Dissolution                      | IP 2014, 2006-07                                                   | Not less than 80%                             |
| <b>f.</b>    | <b>Levonorgestrel Tablet</b>      | Identification A (HPLC)          | BP 2013, 3077-78                                                   | Pass/Fail                                     |
|              |                                   | Identification B (HPLC)          | BP 2013, 3077-78                                                   | Pass/Fail                                     |
|              |                                   | Uniformity of content (by HPLC)  | BP 2013, 3077-78                                                   | 85-115%                                       |
|              |                                   | Assay (by HPLC)                  | BP 2013, 3077-78                                                   | 95-105%                                       |
|              |                                   | Average weight                   | BP 2013, 3077-78                                                   | Pass/Fail                                     |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>     | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b>                           |
|--------------|---------------------------------------|--------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>g.</b>    | <b>Ferrous Fumarate Tablets</b>       | Identification A               | IP 2014,1751                                                       | Pass/Fail                                                               |
|              |                                       | Identification B               | IP 2014,1751                                                       | Pass/Fail                                                               |
|              |                                       | Identification C               | IP 2014,1751                                                       | Pass/Fail                                                               |
|              |                                       | Average weight                 | IP 2014,1751                                                       | Pass/Fail                                                               |
|              |                                       | Uniformity of weight           | IP 2014,1751                                                       | Within limit+/-10% of the average weight                                |
|              |                                       | Ferric ion                     | IP 2014,1751                                                       | Not more than 13.5 ml of sodium thiosulphate is required for titration. |
|              |                                       | Assay by titration             | IP 2014,1751                                                       | 90-105%                                                                 |
|              |                                       | Average                        | IP 2014,1751                                                       | Pass/Fail                                                               |
| <b>2.</b>    | <b>Creams/ Ointments</b>              |                                |                                                                    |                                                                         |
| <b>a.</b>    | <b>Zinc Oxide Cream</b>               | Assay                          | IP 2014, 3011                                                      | 30 to 34.0%                                                             |
| <b>b.</b>    | <b>Compound Benzoic acid Ointment</b> | Assay(Benzoic Acid)            | IP 2014, 1154                                                      | 5.7 to 6.3%                                                             |
|              |                                       | Assay(Salicylic Acid)          | IP 2014, 1154                                                      | 2.85 to 3.15%                                                           |
| <b>3.</b>    | <b>Oral Suspension/Syrup</b>          |                                |                                                                    |                                                                         |
| <b>a.</b>    | <b>Paracetamol Syrup</b>              | 4-aminophenol                  | IP 2014, 2433                                                      | Complies                                                                |
|              |                                       | Assay                          | IP 2014, 2433                                                      | 95.0% to 105%                                                           |
| <b>b.</b>    | <b>Co-trimoxazole Suspension</b>      | Assay(Trimethoprim)            | IP 2014, 2923                                                      | 5.0% to 125%                                                            |
|              |                                       | Assay(Sulphamethoxazole)       | IP 2014, 2924                                                      | 5.0% to 125%                                                            |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
| <b>Certificate Number</b>     | <b>T-0191</b>                                                                                             | <b>Valid Until</b> | <b>30.03.2016</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>  | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b> | <b>Range of Testing / Limits of Detection</b> |
|--------------|------------------------------------|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------|
| c.           | <b>Solutions</b>                   |                                |                                                                    |                                               |
| d.           | <b>Povidone Iodine solution</b>    | Assay                          | IP 2014, 2530-31                                                   | 85.0% to 120%                                 |
| e.           | <b>Lotions</b>                     |                                |                                                                    |                                               |
| f.           | <b>Benzyl Benzoate Application</b> | Assay                          | IP 2014, 1161                                                      | 22.5% to 27.5%                                |
| g.           | <b>Capsules</b>                    |                                |                                                                    |                                               |
| h.           | <b>Chloramphenicol capsules</b>    | Dissolution                    | IP 2014, 1349                                                      | 92.5 to 107.5%                                |
|              |                                    | Assay                          | IP 2014, 1349                                                      | 5.0 to 125.0%                                 |
| i.           | <b>General Tests</b>               | pH                             | IP 2014, 169                                                       | 1.0 - 14.0                                    |
|              |                                    | Acidity/Alkalinity             | IP 2014, 129                                                       | Pass /Fail                                    |
|              |                                    | Clarity and colour of solution | IP 2014, 129                                                       | Pass /Fail                                    |
|              |                                    | Appearance of solution         | IP 2014, 129                                                       | Pass /Fail                                    |
|              |                                    | Loss on drying                 | IP 2014, 162                                                       | 0.05 to 20.0%                                 |
|              |                                    | Water                          | IP 2014, 172                                                       | 0.05 to 20.0%                                 |
|              |                                    | Disintegration time            | IP 2014, 251                                                       | 30 seconds to 100 minutes                     |

|                               |                                                                                                           |                    |                   |
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                   | <b>Issue Date</b>  | <b>31.03.2014</b> |
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| <b>S.No.</b> | <b>Product / Material of Test</b>        | <b>Specific Test Performed</b> | <b>Test Method Specification against which tests are performed</b>                                                                  | <b>Range of Testing / Limits of Detection</b>                        |
|--------------|------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>X.</b>    | <b>METALS AND ALLOYS</b>                 |                                |                                                                                                                                     |                                                                      |
| <b>1.</b>    | <b>Jewellerys, Metal Accessories</b>     | Nickel release                 | BS EN 1811: 1998, EN 1811:1999, BS EN 12472: 2005, EN 12472:2005                                                                    | 0.1 µg/sq.cm/week                                                    |
| <b>XI.</b>   | <b>TEXTILE &amp; TEXTILE AUXILIARIES</b> |                                |                                                                                                                                     |                                                                      |
| <b>1.</b>    | <b>Filling and Stuffing Material</b>     | Lead (Pb) & Arsenic (As)       | Ref - ASTM F963-08 4.3.7 / Pennsylvania Toys regulations Title 34, Chapter 47 section 47.317)/ In House method ref to ASTM F963.S05 | Pb-LOD-0.27 mg/kg, LOQ-0.90 mg/kg, As-LOD-0.04 mg/kg, LOQ-0.14 mg/kg |
|              |                                          | Light Filth ,Heavy Filth       | Ref - ASTM F963-08 4.3.7 / Pennsylvania Toys regulations Title 34, Chapter 47 section 47.317) /In House method ref to ASTM F963.S04 | Present/ Absent                                                      |
|              |                                          | Oil & Grease                   | Ref - ASTM F963-08 4.3.7 / Pennsylvania Toys regulations Title 34, Chapter 47 section 47.317)/ In House method ref to ASTM F963.S02 | LOD- 0.03 g/100g, LOQ- 0.098 g/100g                                  |
|              |                                          | Ammonia Content                | Ref - ASTM F963-08 4.3.7 / Pennsylvania Toys regulations Title 34, Chapter 47 section 47.317)/ In House method ref to ASTM F963.S07 | Present/ Absent                                                      |



|                        |                                                                                                    |             |            |
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| Accreditation Standard | ISO/IEC 17025: 2005                                                                                |             |            |
| Discipline             | Chemical Testing                                                                                   | Issue Date  | 31.03.2014 |
| Certificate Number     | T-0191                                                                                             | Valid Until | 30.03.2016 |
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| S.No. | Product / Material of Test    | Specific Test Performed | Test Method Specification against which tests are performed                                                                         | Range of Testing / Limits of Detection |
|-------|-------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|       | Filling and Stuffing Material | Urea Content            | Ref - ASTM F963-08 4.3.7 / Pennsylvania Toys regulations Title 34, Chapter 47 section 47.317)/ In House method ref to ASTM F963.S07 | LOD- 0.13 g/100g,<br>LOQ- 0.38 g/100g  |

**-X-X-X-X-X-X-X-X-X-X-X-X-**

**NOTE:** The Laboratory has demonstrated competence for the stated scope for **WATER**. This however does not fully cover the specification requirements of **BIS for the Packaged Drinking Water as per IS:14543 and the Packaged Natural Mineral Water IS:13428**.

**\*Also applicable for site testing.**