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| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I. | WATER | | | |
| 1. | Drinking Water/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines | Total Coliforms | APHA, 22 nd Ed., 2012,9221-B, 9-66 Multiple tube fermentation technique IS 1622:1981, (RA 2009),Ed. 2.4 (2003-05) Multiple tube fermentation technique APHA, 22 nd Ed., 2012, 9222-B,9-78 Membrane filtration technique (MFT) IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Membrane filtration technique (MFT) APHA, 22 nd Ed., 2012, 9221-D,9-73 P-A Coliform test | <1.1 to 1.6×10^8 MPN index /100 ml 1 to 1.6×10^8 MPN index /100 ml ≥ 1 CFU/100 ml ≥ 1 Coliform/100 ml Present or Absent / 100 ml |
| | | Faecal Coliforms | APHA, 22 nd Ed., 2012,9221-E, 9-74 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed.2.4 (2003- 05) Multiple tube fermentation technique APHA, 22 nd Ed., 2012, 9222-D , 9-85 Membrane filtration technique (MFT) | <1.1 to 1.6×10^8 MPN index /100 ml 1 to 1.6×10^8 MPN index /100 ml ≥ 1 CFU/100 ml |

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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 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Drinking Water/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines | Standard Plate Count | APHA, 22 nd Ed., 2012, 9215-B,9-52 IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Pour plate method IS 15188:2002, (RA 2009) Membrane filtration technique(MFT) | ≥ 1 CFU/ml ≥ 1 CFU/100 ml |
| | | Yeast and Mould Count | IS 5403:1999,(RA 2009) | ≥ 1 CFU/ml |
| | | Detection & Enumeration of Escherichia coli | APHA, 22 nd Ed.,2012, 9221-G, 9-76 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003-05) Multiple tube fermentation technique | <1.1 to 1.6 x10 ⁸ MPN index /100 ml Present or Absent/100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent/100 ml |
| | | Enumeration of Proteolytic organisms | IS 4251:1967, (RA 2009) Ed.1.2 (2004-08) | ≥ 1 CFU/ml |
| | | Enumeration of Lipolytic organisms | IS 4251:1967, (RA 2009), Ed.1.2 (2004-08) | ≥ 1 CFU/ml |
| | | Detection of Clostridium welchii (perfringens) | IS 1622:1981, (RA 2009), Ed. 2.4 (2003-05) | Present or Absent/ 100 ml |

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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 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| | Drinking Water/ Water for Swimming Pools/ Water for Construction Purpose/ Water from purifiers/ Ground water /Surface water /Sea water/ Medicinal purpose Distilled / demineralized water/ Water for Processed food industry/ Water for Industrial purpose/ Water for Ice Manufacture/ Water for Fermentation industry/ Irrigation water /Cooling purpose water/ Primary Water Quality by CPCB/ WHO Guidelines | Detection of Faecal Streptococci | IS15186:2002, (RA 2009) | Present or Absent/100 ml |
| | | Enumeration of Faecal Streptococci | APHA, 22 nd Ed., 2012, 9230-B,9-111 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique IS1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Membrane filtration technique(MFT) IS 15186: 2002 | <1.1 to 1.6 x10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/ 100 ml ≥ 1 CFU/ 100 ml |
| | | Detection of Pseudomonas aeruginosa | IS 13428:2005, Annex D,(RA 2009), Amds.4 | Present or Absent/ 100 ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 13428:2005, Annex D (RA 2009) Amds.4, & IS 15188:2002, (RA 2009) | <1 to 18MPN index /100 ml |
| | | Detection of Salmonella spp. | APHA, 22 nd Ed., 2012, 9260-B,9-145 IS 15187:2002, (RA 2009) Membrane filtration technique (MFT) | Present or Absent/100 ml Present or Absent/100 ml |
| | | Detection of Shigella spp. | APHA, 22 nd Ed., 2012, 9260-E,9-150 | Present or Absent / 100 ml |
| | | Detection of Staphylococcus aureus | APHA, 22 nd Ed., 2012, 9213-B,9-44 | Present or Absent/100 ml |
| | | Enumeration of Staphylococcus aureus | IS 5887 (Part II):1976, (RA 2009) | ≥ 1 CFU/ ml |

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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 |
|--------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------|
| | | Detection of Sulphite reducing anaerobes | Annex C of IS 13428:2005, (RA 2009), Amds.4 | Present or Absent/ 100 ml |
| | | Enumeration of Sulphite reducing anaerobes | Annex C of IS 13428:2005, (RA 2009), Amds.4 & IS15188:2002 | <1 to 180MPN index /100 ml |
| | | Detection of Vibrio cholerae | APHA, 22 nd Ed., 2012, 9260-H,9-160 | Present or Absent /100 ml |
| | | Enumeration of Vibrio cholera | IS 5887 (Part V):1976,(RA 2009) | ≥ 1 CFU/ ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) | Present or Absent / 100 ml |
| | | Enumeration of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) | ≥ 1 CFU/ ml |
| 2. | Packaged Drinking Water/ Packaged Natural Mineral Water/ All types of water | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887 (Part I):1976,(RA 2009) IS 15185:2002, (RA 2009) | Present or Absent/250 ml Present or Absent/250 ml |
| | | Detection of Coliforms | IS 5401 (Part 1):2002, (RA 2007) IS 15185:2002, (RA 2009) | Present or Absent/250 ml Present or Absent/250 ml |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976,(RA 2009) IS 15186: 2002, (RA 2009) | Present or Absent/250 ml Present or Absent/250 ml |
| | | Detection of Staphylococcus aureus | IS 5887 (Part II):1976,(RA 2009) | Present or Absent/250 ml |
| | | Detection of Sulphite reducing anaerobes | IS 13428:2005, Annex C (RA 2009) Amds.4 | Present or Absent/50 ml |

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|--------------|----------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
| | Packaged Drinking Water/ Packaged Natural Mineral Water/ All types of water | Detection of Pseudomonas aeruginosa | IS 13428:2005, Annex D (RA 2009) Amds.4 | Present or Absent/250 ml |
| | | Aerobic Microbial Count at 20 to 22 °C in 72 h | IS 5402:2012 | ≥ 1 CFU/ml |
| | | Aerobic Microbial Count at 37°C in 24 h | IS 5402:2012 | ≥ 1 CFU/ml |
| | | Detection of Yeast and Moulds | IS 5403:1999 (RA 2009) | Present or Absent/250 ml |
| | | Detection of Salmonella spp. | IS 15187:2002 (RA 2009) | Present or Absent/250 ml |
| | | Detection of Shigella spp. | IS 5887 (Part 7):1999, (RA 2009) | Present or Absent/250 ml |
| | | Detection of Vibrio cholerae | IS 5887 (Part V):1976,(RA 2009) | Present or Absent/250 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V):1976, (RA 2009) | Present or Absent/250 ml |

II. POLLUTION AND ENVIRONMENT

| | | | |
|--------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1. Effluents & Sewage | Total Coliforms | APHA, 22 nd Ed., 2012, 9221-B,9-66 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique | <1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml |
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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 |
|--------------|---------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Effluents & Sewage | Faecal Coliforms | APHA, 22 nd Ed., 2012, 9221-E,9-74 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique | <1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml |
| | | Standard Plate Count | APHA, 22 nd Ed.,2012,9215-B,9-52 IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05)Pour plate method | ≥ 1 CFU/ml |
| | | Detection & Enumeration of E.coli | APHA, 22 nd Ed., 2012,9221-G, 9-76 Multiple tube fermentation technique IS 1622:1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique | <1.1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml Present or Absent / 100 ml |
| | | Detection of Clostridium welchii (perfringens) | IS 1622: 1981, (RA 2009), Ed. 2.4 (2003- 05) | Present or Absent / 100 ml |
| | | Detection of Faecal Streptococci | IS 15186: 2002, (RA 2009) | Present or Absent/100 ml |
| | | Enumeration of Faecal Streptococci | APHA, 22 nd Ed, 2012, 9230-B, 9-111 Multiple tube fermentation technique IS 1622: 1981, (RA 2009), Ed. 2.4 (2003- 05) Multiple tube fermentation technique IS 1622:1981, (RA 2009) Ed. 2.4 (2003- 05) Membrane filtration technique (MFT) IS 15186: 2002, (RA 2009) | <1.1 to 1.6 x 10 ⁸ MPN index /100 ml 1 to 1.6 x 10 ⁸ MPN index /100 ml ≥ 1 CFU/ 100 ml ≥ 1 CFU/ 100 ml |

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|--------------|----------------------------------------|--------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------|
| | Effluents & Sewage | Detection of Pseudomonas aeruginosa | Annex D of IS 13428:2005 (RA 2009), Amds.3 | Present or Absent/ 100 ml |
| | | Enumeration of Pseudomonas aeruginosa | Annex D of IS 13428:2005 (RA 2009), Amds.3 & IS 15188:2002, (RA 2009) | 1 to 18 MPN index /100 ml |
| | | Detection of Salmonella spp. | APHA, 22 nd Ed.,2012, 9260-B,9-145 IS 15187:2002,(RA 2009) | Present or Absent/100 ml Present or Absent/100 ml |
| | | Detection of Shigella spp. | APHA, 22 nd Ed., 2012, 9260-E,9-150 | Present or Absent / 100 ml |
| | | Detection of Staphylococcus aureus | APHA, 22 nd Ed., 2012, 9213-B,9-44 | Present or Absent/100 ml |
| | | Enumeration of Staphylococcus aureus | IS 5887 (Part II):1976, (RA 2009) | ≥ 1 CFU/ ml |
| | | Detection of Sulphite reducing anaerobes | IS 13428:2005, Annex C (RA 2009), Amds.3 | Present or Absent/ 100 ml |
| | | Enumeration of Sulphite reducing anaerobes | IS 13428:2005, Annex C (RA 2009) Amds.3 & IS 15188:2002, (RA 2009) | 1 to 180MPN index /100 ml |
| | | Detection of Vibrio cholerae | APHA, 22 nd Ed., 2012, 9260-H,9-160 | Present or Absent / 100 ml |
| | | Enumeration of Vibrio cholerae | IS 5887 (Part V) :1976,(RA2009) | ≥ 1 CFU/ml |
| | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) | Present or Absent / 100 ml | |
| | Enumeration of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) | ≥ 1 CFU/ml | |

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|--------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 2. | Air Monitoring for Microbial contamination (Plate Exposure, Swabs)/ Bio burden Estimation of Classified & Non-classified area | Total Bacterial Count | USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5402:2012 WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | $\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$ |
| | | Yeast & Mould Count | USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5403:1999,(RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | $\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$ |
| | | Coliform Count | USP 32,NF-27,Chapter<1116> ISO 18593:2004(E) IS 5401 (Part 1):2002,(RA 2007)/ ISO 4832:1991 WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | $\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$ |
| | | Escherichia coli | USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887(Part I):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | $\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$ |
| | | Staphylococcus aureus | USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887 (Part II):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | $\geq 1 \text{ CFU/m}^3$ $\geq 1 \text{ CFU/cm}^2/\text{swab}$ |

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|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| | Air Monitoring for Microbial contamination (Plate Exposure, Swabs)/ Bio burden Estimation of Classified & Non- classified area | Pseudomonas aeruginosa | USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 14843:2000, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | ≥ 1 CFU/m ³ ≥ 1 CFU/cm ² /swab |
| | | Clostridium spp. | USP 32, NF-27,Chapter<1116> ISO 18593:2004(E) IS 5887 (Part 4):1976, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | ≥ 1 CFU/m ³ Absent/ cm ² /swab |
| | | Salmonella spp. | USP 32, NF-27,Chapter<1116> ISO 8593:2004(E) IS 5887(Part 3):1999, (RA 2009) WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | ≥ 1 CFU/m ³ Absent/ cm ² /swab |
| | | Listeria monocytogenes | USP 32, NF-27,Chapter<1116> ISO 8593:2004(E) US FDA BAM,8 th Edition,RevisionA,Chapter 10, April 2011,Updated Feb 2013 WI/SAP-Micro/5/61, Issue Date: 01.04.2014 | ≥ 1 CFU/m ³ Absent/ cm ² /swab |

III. FOOD & AGRICULTURAL PRODUCTS

| | | | |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1. Milk and Dairy Products Infant Foods (Dairy Products and Analogues) | Aerobic Microbial Count/Total Viable Count /Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3,Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/gor ≥ 1 CFU/ml |
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|-------|--------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| | Milk and Dairy Products Infant Foods (Dairy Products and Analogues) | Coliform Count | IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991 | ≥ 10 CFU /g or ≥ 1 CFU/ml Present or Absent/ 0.1 g or ml |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | <0.3 to 1.1x10 ⁶ MPN index/g or ml |
| | | | US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013. | ≥ 10 CFU/ g or ≥ 1 CFU /ml |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) | Present or Absent/ 1 g or ml Present or Absent/ 0.1 g or ml |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25 ml Present or Absent /0.1 g or ml Present or Absent /1 g or ml |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | ≥ 10 CFU /g or ≥ 1 CFU/ml 0.3 to 1.1x10 ⁶ MPN index/g or ml |
| | | | US FDA BAM ,8 th Edition , Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | <3 to 1.1x10 ⁶ MPN index /g or ml |

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| | Milk and Dairy Products Infant Foods (Dairy Products and Analogues) | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU/g |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009/ ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009), USFDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25g or 25 ml Present or Absent /0.1 g or ml Present or Absent / 1 g or ml |

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| | Milk and Dairy Products Infant Foods (Dairy Products and Analogues) | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition,RevisionA, Chapter 12,Jan 2001 | ≥ 10 CFU /g ≥ 1 CFU/ml |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥10 CFU /g ≥ 1 CFU/ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9,May 2004 | Present or Absent / 25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May 2004 | Present or Absent / 25 g or 25 ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,RevisionA,Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25 g or 25 ml Present or Absent / 1 g or ml |
| | | Enumeration of Bacillus cereus(Aerobic spore count) | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g ≥ 1 CFU/ml |
| 2. | Edible Oils and Fats (Fats,Oils and Fat Emulsions) | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 | ≥ 10 CFU /g |
| | | | US FDA BAM, 8 th Edition, Revision A,Chapter 3, Jan 2001 | ≥ 10 CFU /g |

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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 |
|--------------|-----------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| | Edible Oils and Fats (Fats,Oils and Fat Emulsions) | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832:1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A,Chapter 4, Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index /g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 18,April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Escherichia coli | IS 5887 (Part I):1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index /g <3 to 1.1x10 ⁶ MPN index /g |
| | | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA,Chapter 16, Jan 2001 | Present or Absent / 25 g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Edible Oils and Fats (Fats,Oils and Fat Emulsions) | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009), US FDA BAM,8 th Edition,RevisionA,Chapter 16, Jan 2001 | ≥ 10 CFU/g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU/g |
| | | Detection ofFaecalStreptococci(Entero cocci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent /25 g |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009)/ ISO 13720:1995 | ≥10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA,Chapter 5, Updated May 2014 | Present or Absent / 25 g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002 ,Amendment No.1, Jan. 2010/ ISO 6888 -1:1999, US FDA BAM,8 th Edition,Revision A Chapter 12, Jan 2001 | ≥ 10CFU /g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| | Edible Oils and Fats (Fats,Oils and Fat Emulsions) | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993,(RA 2009) | ≥10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A,Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 3. | Oil Seeds and By- products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM,8 th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU /g ≥ 10 CFU /g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g or ml |
| | | | US FDA BAM, 8 th Edition,RevisionA,Chapter 4, Sept.2002,UpdatedFeb2013 | ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index /g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| | Oil Seeds and By- products | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887 (Part I):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Escherichia coli | IS 5887 (Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept. 2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index /g <3 to 1.1x10 ⁶ MPN index /g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Oil Seeds and By- products | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976,(RA 2009) | ≥ 10CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000,(RA 2009)/ ISO 13720:1995 | ≥10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999,(RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 5, Updated May 2014 | Present or Absent / 25 g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999,(RA 2009) US FDA BAM,8 th Edition, RevisionA,Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976,(RA 2009) | Present or Absent/25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976,(RA 2009) IS 5887(Part 8/Sec 1):2002 ,Amendment No.1,Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A,Chapter 12, Jan 2001 | ≥ 10CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 9, May, 2004 | Present or Absent / 25 g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Oil Seeds and By- products | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A,Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| | | Total Aflatoxins | ELISA Method, SOP No. WI/SAP-Micro/5/74 | ≥1.7 ppb |
| 4. | Fruit & Fruit Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A,Chapter 3, Jan 2001 | ≥ 10 CFU/g or ≥1 CFU/ml ≥ 10 CFU/g or ≥1 CFU/ml |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition,RevisionA,Chapter 4, Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index/g or ml ≥ 10 CFU/ g or ≥1 CFU/ml <3 to 1.1x10 ⁶ MPN index /g or ml |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| | Fruit & Fruit Products | Yeast and Mould Count/Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 18, April 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25ml |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 4, Sept.2002, Updated Feb 2013 | ≥10CFU /g or ≥ 1 CFU /ml 0.3 to 1.1x10 ⁶ MPN index /g or ml <3 to 1.1x10 ⁶ MPN index/g or ml |
| | | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A,Chapter 16, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976,(RA 2005) US FDA BAM, 8 th Edition,RevisionA,Chapter 16, Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |

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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Fruit & Fruit Products | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or 1CFU /ml |
| | | Detection of Shigellaspp. | IS 5887(Part 7) :1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU /ml |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25 g or 25 ml |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004 | Present or Absent /25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A,Chapter 9, May, 2004 | Present or Absent/ 25 g or 25 ml |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| | Fruit & Fruit Products | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g or ≥ 1 CFU / ml |
| | | Incubation at 37°C for 10 days and 55°C for 7 days | Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 61, Page No. 577 WI/SAP-Micro/5/80 | No changes in pH |
| | | Flat Sour Organisms | Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 24, Page No. 239 WI/SAP-Micro/5/82 | ≥ 10 CFU/g or ≥ 1 CFU /ml |
| | | Yeast and Spores | AOAC, 19 th Edition, 984.29, Page No. 69 WI/SAP-Micro/5/81 | ≥ 1 per 1/60 c.m.m. |
| 5. | Vegetable & Vegetable Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |

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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 |
|--------------|---------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Vegetable & Vegetable Products | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A,Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index /g or ml ≥ 10 CFU/ g or ≥ 1 CFU/ml <3 to 1.1x10 ⁶ MPN index /g or ml |
| | | Yeast and Mould Count/Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25ml |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002,Updated Feb 2013 | ≥10CFU /g or ≥ 1 CFU / ml 0.3 to 1.1x10 ⁶ MPN index /g or ml <3 to 1.1x10 ⁶ MPN index /g or ml |
| | | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g or 25ml |

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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 |
|--------------|---------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Vegetable & Vegetable Products | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Faecal Streptococci (Enteroco cci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Shigella spp. | IS 5887 (Part 7) :1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A , Chapter 6, Jan 2001 | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Salmonella spp. | IS 5887 (Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, Updated May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887 (Part 8/Sec 1):2002, Amendment No. 1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |

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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 |
|--------------|---------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| | Vegetable & Vegetable Products | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent /25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25 g or 25 ml |
| | | Enumeration of Enterobacteriaceae Detection of Listeria monocytogenes | IS/ISO 7402: 1993, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 10, April 2011, Updated Feb 2013 | ≥ 10 CFU /g or ≥ 1 CFU/ml Present or Absent / 25 g or 25 ml |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g or ≥ 1 CFU / ml |
| | | Incubation at37°C for 10 days and 55°C for 7 days | Compendium of methods for the microbiological examination of foods,APHA,4 th Edition, Chapter 61, Page No. 577 | No changes in pH |
| | | Flat Sour Organisms | Compendium of methods for the microbiological examination of foods,APHA,4 th Edition, Chapter 24, Page No.239 WI/SAP-Micro/5/82 | ≥ 10 CFU/g or ≥ 1 CFU /ml |
| | | Yeast and Spores | AOAC,19 th Edition,984.29, Page No. 69 | ≥1 per 1/60 c.m.m. |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 6. | Canned, Processed and Frozen Foods | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1×10^6 MPN index/g or ml |
| | | | US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g or ≥ 1 CFU/ml <3 to 1.1×10^6 MPN index/g or ml |
| | | Yeast and Mould Count/Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25ml |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g or ≥ 1 CFU /ml 0.3 to 1.1×10^6 MPN index/g or ml <3 to 1.1×10^6 MPN index/g or ml |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Canned, Processed and Frozen Foods | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2005) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of FaecalStreptococci(Enteroco cci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or ≥ 1CFU/ml |
| | | Detection of Shigellaspp. | IS 5887(Part 7) :1999, (RA 2009) US FDA BAM,8 th Edition,Revision A ,Chapter 6, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25 g or 25 ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Canned, Processed and Frozen Foods | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25 g or 25 ml |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g or ≥ 1 CFU / ml |
| | | Incubation at37°C for 10 days and 55°C for 7 days | Compendium of methods for the microbiological examination of foods,APHA,4 th Edition, Chapter 61, Page No.577 | No changes in pH |
| | | Flat Sour Organisms | Compendium of methods for the microbiological examination of foods,4 th Edition,APHA, Chapter 24, Page No.239 WI/SAP-Micro/5/82 | ≥ 10 CFU/g or ≥ 1 CFU /ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|----------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | Canned, Processed and Frozen Foods | Yeast and Spores | AOAC, 19 th Edition, 984.29, Page No.69 | ≥1 per 1 /60 c.m.m. |
| 7. | Jams, Juices, Sauces and Concentrates | Aerobic Microbial Count/Total Viable Count/ Total Plate Count/ Total Bacterial Count | IS 5402:2012 US FDA BAM, 8th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g or ≥1 CFU/ml ≥ 10 CFU/g or ≥1 CFU/ml |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index/g or ml ≥ 10 CFU/ g or ≥ 1 CFU/ml |
| | | Yeast and Mould Count/Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| | Jams, Juices, Sauces and Concentrates | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥10CFU /g or ≥ 1 CFU / ml 0.3 to 1.1x10 ⁶ MPN index/g or ml <3 to 1.1x10 ⁶ MPN index/g or ml |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g or 25 ml |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Detection of Shigella spp. | IS 5887(Part 7) :1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g or 25ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU/ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Jams, Juices, Sauces and Concentrates | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25 g or 25 ml |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1 Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,Revision A, Chapter 12,Jan 2001 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004 | Present or Absent /25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004 | Present or Absent/ 25 g or 25 ml |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g or≥ 1 CFU/ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 gor 25 ml |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g or ≥ 1 CFU /ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| | Jams, Juices, Sauces and Concentrates | Flat sour organisms | Compendium of methods for the microbiological examination of foods, APHA, 4 th Edition, Chapter 24, Page No. 239 WI/SAP-Micro/5/82 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Yeast and Spores | AOAC, 19 th Edition, 984.29, Page No. 69 | ≥ 1 per 1/60 c.m.m. |
| 8. | Nut and Nut Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g or ≥ 1 CFU/ml ≥ 10 CFU/g or CFU/ml ≥ 1 |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept. 2002, Updated Feb 2013 | ≥ 10 CFU/g or ≥ 1 CFU/ml <0.3 to 1.1x10 ⁶ MPN index/g or ml ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g or CFU/ml ≥ 1 ≥ 10 CFU/g or ≥ 1 CFU/ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 | |
|--------------|------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | Nut and Nut Products | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g or 25ml ≥ 10 CFU /g or ≥ 1 CFU / ml 0.3 to 1.1×10^6 MPN index/g or ml < 3 to 1.1×10^6 MPN index/g or ml | |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | | |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | | |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | | Present or Absent / 25 g or 25ml |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | | Present or Absent / 25 g or 25 ml |
| | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g or ≥ 1 CFU /ml | | |
| | Detection of Shigella spp. | IS 5887(Part 7) :1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g or 25ml | | |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Nut and Nut Products | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g or ≥ 1 CFU /ml |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 5, May 2014 | Present or Absent / 25 g or 25 ml |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent/25 g or 25 ml |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1,Jan. 2010/ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,Revision A, Chapter 12,Jan 2001 US FDA BAM, 8 th Edition,Revision A, Chapter 12,Jan. 2009 | ≥ 10 CFU /g or ≥ 1 CFU /ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent /25 g or 25 ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May, 2004 | Present or Absent/ 25 g or 25 ml |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g or ≥ 1 CFU/ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g or 25 ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Nut and Nut Products | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g or ≥ 1 CFU / ml |
| | | Total Aflatoxins | ELISA Method, SOP No.WI/SAP-Micro/5/74 | ≥1.7 ppb |
| 9. | Cereals and Cereal Products Pulses and Pulse Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count Coliform Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU/g ≥ 10 CFU/g ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g ≥ 10 CFU /g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition ,Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| | Cereals and Cereal Products Pulses and Pulse Products | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition ,Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridiumperfringens | IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci(Enteroco cci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g Present or Absent / 0.1 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent /25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition , Revision A,Chapter 12,Jan 2001 | ≥ 10 CFU /g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Cereals and Cereal Products Pulses and Pulse Products | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| | | Total Aflatoxin | ELISA Method, SOP No.WI/SAP- Micro/5/74 | ≥1.7 ppb |
| 10. | Bakery Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 | ≥ 10 CFU/g |
| | | | US FDA BAM,8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g |
| | | | | |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| | Bakery Products | Coliform Count | IS 5401 (Part 1):2002, (RA 2007/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition,Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition,Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridiumperfringens | IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| | Bakery Products | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g Present or Absent / 0.1g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM,8 th Edition ,Revision A, Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent /25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12,Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent/ 25g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| | Bakery Products | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 9, May, 2004 | Present or Absent/ 25g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 11. | Starch and Starch Products | Aerobic Microbial Count/Total Viable Count/ Total Plate Count/ Total Bacterial Count | IS 5402:2012 US FDA BAM,8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition,Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Starch and Starch Products | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition,RevisionA,Chapter 4, Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridiumperfringens | IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g Present or Absent / 0.1 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014 | Present or Absent / 25g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Starch and Starch Products | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent /25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May, 2004 | Present or Absent/ 25g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition ,Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 12. | Meat and Meat Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A ,Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition,Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | ≥ 10 CFU /g |
| | | | US FDA BAM ,8 th Edition, Revision A, Chapter 4, Sept.2002,Updated Feb 2013 | 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Meat and Meat Products | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition , Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of FaecalStreptococ ci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Meat and Meat Products | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1,Jan 2010/ ISO 6888 -1:1999 US FDA BAM,8 th Edition, Revision A, Chapter 12,Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,RevisionA, Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 13. | Poultry and Poultry Products | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition , Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Poultry and Poultry Products | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Poultry and Poultry Products | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition,RevisionA, Chapter 12,Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402 :1993, (RA 2009) | ≥ 10 CFU/g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥10 CFU/g |
| 14. | Fish and Fish Products, Sea Foods | Aerobic Microbial Count /Total Viable Count /Total Plate Count/ Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥10 CFU/g ≥ 10 CFU/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| | Fish and Fish Products, Sea Foods | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, RevisionA, Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition , Revision A, Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU/g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, RevisionA, Chapter 16, Jan 2001 | ≥ 10 CFU /g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Fish and Fish Products, Sea Foods | Enumeration of Sulfite reducing bacteria | ISO 15213 : 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 5, May 2014 | Present or Absent / 25 g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12,Jan 2001 | ≥ 10 CFU /g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| | Fish and Fish Products, Sea Foods | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent /25 g |
| | | Enumeration of Enterobacteriaceae Detection of Listeria monocytogenes | IS/ISO 7402 :1993, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 10, April 2011,Updated Feb 2013 | ≥ 10 CFU /g Present or Absent / 25 g |
| 15. | Sweets and Confectionery Products | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| | | Aerobic Microbial Count/Total Viable Count /Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM,8th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU /g ≥ 10 CFU /g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU / g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| | Sweets and Confectionery Products | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU /g ≥ 10 CFU /g |
| | | Detection of Escherichia coli(Thermotolerant bacteria) (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | ≥ 10 CFU /g |
| | | | US FDA BAM , 8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013 | 0.3 to 1.1x10 ⁶ MPN index/g index /g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU /g | |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|--------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Sweets and Confectionery Products | Enumeration of Pseudomonas aeruginosa | IS 14843:2000 , (RA 2009)/ ISO 13720:1995 | ≥ 10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25 g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Sweets and Confectionery Products | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 16. | Honey and Honey Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g |
| | | Yeast & Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU/g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | ≥ 10 CFU/g ≥ 10 CFU/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A, Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Honey and Honey Products | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU /g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009)/ ISO 13720:1995 | ≥ 10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25 g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 (RA 2009) | Present or Absent / 25 g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Honey and Honey Products | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A, Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 17. | Sugar and Sugar Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A, Chapter 3, Jan 2001 | ≥ 10 CFU/g |
| | | Yeast &Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| | Sugar and Sugar Products | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU/g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Escherichia coli(Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Sugar and Sugar Products | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU /g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009)/ ISO 13720:1995 | ≥ 10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA, Chapter 5, May 2014 | Present or Absent / 25 g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No.1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| | Sugar and Sugar Products | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition , Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 18. | Herbs, Spices, Condiments and Related Products | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Herbs, Spices, Condiments and Related Products | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I): 1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g | |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|---------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Herbs, Spices, Condiments and Related Products | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Jan 2001, Chapter 6 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |
| | | Enumeration of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010 / ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2001) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 19. | Edible Salt | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 | ≥ 10 CFU/g |
| | | | US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002, (RA 2007) / ISO 4832 : 1991 | ≥10 CFU /g |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |
| Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g | | |
| Enumeration of Escherichia coli | IS 5887(Part I): 1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA,Chapter 4, Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g | | |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Edible Salt | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887 (Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887 (Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25 g |
| | | Detection of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25 g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Edible Salt | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010 / ISO 6888 -1 : 1999 US FDA BAM,8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2001 | ≥ 10 CFU/g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,RevisionA Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 20. | Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3 | ≥ 1 CFU/ml ≥ 1 CFU/ ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated | Coliforms | IS 3752:2005 ,(RA 2009) | <0.3 to 1.1x10 ⁶ MPN index/100 ml |
| | | | IS 5401 (Part 1):2002, (RA 2007)/ ISO 4831 : 1991 | ≥ 1 CFU /ml Present or Absent/250 ml or 25 ml |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 0.3 to ≥10 ⁶ MPN index / ml |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002,Updated Feb 2013 | ≥ 1 CFU/ml <3 to 1.1x10 ⁶ MPN index / ml |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition,RevisionA Chapter 18, April 2001 | ≥ 1 CFU/ml > 1 CFU/ml |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent /250ml or 25ml Present or Absent / 25g |
| | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | ≥ 1 CFU/ml 0.3 to 1.1x10 ⁶ MPN index / ml | |
| | | US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013 | <3 to 1.1x10 ⁶ MPN index / ml | |
| | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 16, Jan 2001 | Present or Absent /250ml or 25ml | |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Biological Testing | Issue Date | 02.12.2014 |
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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 |
|--------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 1 CFU / ml |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 1 CFU / ml |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 250ml or 25 ml |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 1 CFU / ml |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000 , (RA 2009) | ≥ 1 CFU / ml |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 5, May 2014 | Present or Absent /250ml or 25ml |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent /250ml or 25ml |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II):1976, (RA 2009) | Present or Absent / 250 ml or 25ml |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Beverages Alcoholic and Non Alcoholic, Carbonated & Non-carbonated | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM,8 th Edition,RevisionA, Chapter 12,Jan 2001 | ≥ 1 CFU / ml |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004 | Present or Absent /250ml or 25ml |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004 | Present or Absent/250 ml or 25 ml |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 1 CFU / ml |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent/250 ml or 25 ml |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 1 CFU / ml |
| 21. | Tea & Tea Products | Aerobic Microbial Count /Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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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 |
|--------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| | Tea & Tea Products | Coliforms | IS 5401 (Part 1):2002, (RA 2007/ISO 4831 : 1991 | ≥ 10 CFU /g Present or Absent/25g |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <3 to 1.1x10 ⁶ MPN index/g MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10 CFU /g ≥ 10 CFU /g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Tea & Tea Products | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci(Enteroco cci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / or 25 g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU /g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II):1976, (RA 2009) | Present or Absent / 25g |

**Anuja Anand
Convenor**

**N. Venkateswaran
Program Manager**

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Tea & Tea Products | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM,8 th Edition, Revision A Chapter 12, Jan 2001 | ≥ 10 CFU /g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,RevisionA Chapter 9, May, 2004 | Present or Absent / 25g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU /g |
| 22. | Coffee, Chicory and Cocoa | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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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 |
|--------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------|
| | Coffee, Chicory and Cocoa | Coliforms | IS 5401 (Part 1):2002, (RA 2007)/ISO 4831 : 1991 | ≥ 10 CFU /g Present or Absent/25g |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) | ≥ 10 CFU /g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10 CFU /g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g | |
| | | US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002, Updated Feb 2013 | <3 to 1.1x10 ⁶ MPN index/g | |
| | Detection of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25g | |
| | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g | |

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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Coffee, Chicory and Cocoa | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of FaecalStreptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU /g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887(Part II): 1976, (RA 2009) IS 5887 (Part 8/Sec1):2002, Amendment No. 1 Jan. 2010/ ISO 6888-1:1999 US FDA BAM,8 th Edition,RevisionA Chapter 12,Jan 2001 | ≥ 10 CFU /g |

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| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | Coffee, Chicory and Cocoa | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May, 2004 | Present or Absent / 25g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993, (RA 2009) | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU /g |
| 23. | Egg and Egg Products | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition,RevisionA Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Egg and Egg Products | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009)/ ISO 13720:1995 | ≥ 10 CFU/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Egg and Egg Products | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition,Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993,(RA 2001 | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition,RevisionA, April 2011,Updated Feb 2013 Chapter 10 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 24. | Nutritional Supplements, Vita min and Mineral Premixes, Health F oods, Probiotic Foods | Aerobic Microbial Count/Total Viable Count/Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM , 8 th Edition , Revision A Chapter 4, Sept 2002, Updated 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Nutritional Supplements, Vita min and Mineral Premixes, Health Foods, Probiotic Foods | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) | Present or Absent / 25g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Nutritional Supplements, Vita min and Mineral Premixes, Health Foods, Probiotic Foods | Enumeration of Staphylococcus aureus (Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993,(RA 2001 | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 25. | Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants | Aerobic Microbial Count/Total Viable Count /Total Plate Count/Total Bacterial Count | IS 5402:2012 US FDA BAM, 8 th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| | Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Sept.2002, Updated Feb 2013, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g 3 to 2.3x10 ⁶ MPN index/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Convenience Foods, Cooked Foods, Precooked Foods, Ready to Eat Variants | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) | Present or Absent / 25g |

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Laboratory | Ashwamedh Engineers & Consultants Co-op. Soc. Ltd., Laboratory Services Division, Survey No. 102, Plot No. 26, Wadala Pathardi Road, Indira Nagar, Nashik, Maharashtra | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Convenience Foods, Cooked Foods,PrecookedF oods,Ready to Eat Variants | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12, Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9,May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9,May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993 ,(RA 2001 | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition , Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 26. | Pet Food | Aerobic Microbial Count /Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM,8th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |

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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 |
|--------------|---------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| | Pet Food | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 | ≥ 10 CFU /g |
| | | | IS 5401 (Part 2):2012 / ISO 4831:2006 | <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM,8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g | |

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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 |
|--------------|---------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Pet Food | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci (Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976, (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A, Chapter 12, Jan 2001 | ≥ 10 CFU/g |

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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 |
|--------------|---------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| | Pet Food | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A, Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993 ,(RA 2001 | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011,Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 27. | Animal Feeds | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, Jan 2001, 8 th Edition, Revision A, Chapter 3 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002 ,(RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/g <0.3 to 1.1x10 ⁶ MPN index/g ≥ 10 CFU/g <3 to 1.1x10 ⁶ MPN index/g |

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| Accreditation Standard | ISO/IEC 17025: 2005 | | |
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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 |
|--------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| | Animal Feeds | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM,8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |
| | | Detection of Escherichia coli (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition , Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU/g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM,8 th Edition,RevisionA Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridiumperfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM,8 th Edition,Revision A Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of FaecalStreptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |

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Discipline Biological Testing **Issue Date** 02.12.2014

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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 |
|-------|----------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | Animal Feeds | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigellaspp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition,RevisionA Chapter 6, Jan 2001 | Present or Absent / 25g |
| | | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976,(RA 2009)IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1:1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition,Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V):1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993 ,(RA 2001 | ≥ 10 CFU/g |

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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 |
|--------------|---------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| | Animal Feeds | Detection of <i>Listeria monocytogenes</i> | US FDA BAM, 8 th Edition, Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of <i>Bacillus cereus</i> | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |
| 28. | Snacks and Instant Mixes | Aerobic Microbial Count/Total Viable Count /Total Plate Count /Total Bacterial Count | IS 5402:2012 US FDA BAM, 8th Edition, Revision A Chapter 3, Jan 2001 | ≥ 10 CFU/g ≥ 10 CFU/g |
| | | Coliform Count | IS 5401 (Part 1):2002 , (RA 2007)/ ISO 4832 : 1991 IS 5401 (Part 2):2012 / ISO 4831:2006 | ≥ 10 CFU /g <0.3 to 1.1x10 ⁶ MPN index/g |
| | | | US FDA BAM, 8 th Edition, Revision A Chapter 4, Sept.2002, Updated Feb 2013 | ≥ 10 CFU/ g <3 to 1.1x10 ⁶ MPN index/g |
| | | Yeast and Mould Count | IS 5403:1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 18, April 2001 | ≥ 10CFU/g ≥ 10 CFU/g |
| | | Detection of <i>Escherichia coli</i> (Thermotolerant bacteria) | IS 5887(Part I):1976, (RA 2009) | Present or Absent / 25g |

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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 |
|--------------|---------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| | Snacks and Instant Mixes | Enumeration of Escherichia coli | IS 5887(Part I):1976, (RA 2009) US FDA BAM ,8 th Edition, Revision A Chapter 4,Sept.2002,Updated Feb 2013 | ≥ 10 CFU /g 0.3 to 1.1x10 ⁶ MPN index/g <3 to 1.1x10 ⁶ MPN index/g |
| | | Detection of Clostridium perfringens | IS 5887 (Part 4) :1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 16, Jan 2001 | Present or Absent / 25 g |
| | | Enumeration of Clostridium perfringens | IS 5887 (Part 4):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A, Chapter 16, Jan 2001 | ≥ 10 CFU /g |
| | | Enumeration of Sulfite reducing bacteria | ISO 15213: 2003 | ≥ 10 CFU /g |
| | | Detection of Faecal Streptococci(Enterococci) | IS 5887 (Part II):1976, (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Faecal Streptococci | IS 5887 (Part II):1976, (RA 2009) | ≥ 10 CFU/g |
| | | Enumeration of Pseudomonas aeruginosa | IS 14843:2000, (RA 2009) / ISO 13720:1995 | ≥ 10 CFU/g |
| | | Detection of Salmonella spp. | IS 5887(Part 3):1999, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 5, May 2014 | Present or Absent / 25g |
| | | Detection of Shigella spp. | IS 5887(Part 7):1999, (RA 2009) US FDA BAM,8 th Edition, Revision A,Chapter 6, Jan 2001 | Present or Absent / 25g |

**Anuja Anand
Convenor**

**N. Venkateswaran
Program Manager**

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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 |
|--------------|---------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| | Snacks and Instant Mixes | Detection of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) | Present or Absent / 25g |
| | | Enumeration of Staphylococcus aureus(Coagulase positive) | IS 5887 (Part II):1976 , (RA 2009) IS 5887(Part 8/Sec 1):2002, Amendment No. 1, Jan. 2010/ ISO 6888 -1 : 1999 US FDA BAM, 8 th Edition, Revision A Chapter 12,Jan 2001 | ≥ 10 CFU/g |
| | | Detection of Vibrio cholerae | IS 5887(Part V):1976, (RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Detection of Vibrio parahaemolyticus | IS 5887 (Part V) :1976,(RA 2009) US FDA BAM, 8 th Edition, Revision A Chapter 9, May 2004 | Present or Absent / 25 g |
| | | Enumeration of Enterobacteriaceae | IS/ISO 7402: 1993 ,(RA 2001 | ≥ 10 CFU /g |
| | | Detection of Listeria monocytogenes | US FDA BAM, 8 th Edition , Revision A Chapter 10, April 2011, Updated Feb 2013 | Present or Absent / 25 g |
| | | Enumeration of Bacillus cereus | IS 5887(Part 6):2012, ISO 7932:2004 | ≥ 10 CFU/g |

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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 |
|--------------|---------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
| 29. | Herbal/Medicinal Plants | Total Viable Count | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Yeast and Mould Count | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Enterobacteriaceae and other Gram-Negative bacteria | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | ≥ 10 CFU/g or ≥ 1 CFU/ml |
| | | Escherichia coli | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | Present/ Absent / g or ml |
| | | Salmonella spp. | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | Present/ Absent / g or ml |
| | | Pseudomonas aeruginosa | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | Present/ Absent / g or ml |
| | | Staphylococcus aureus | Quality Control Methods for Medicinal Plant Materials, WHO 1998 | Present/ Absent / g or ml |

IV. BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS

| | | | | |
|-----------|-----------------------------------------------------|---------------------------------|------------------------------------------------------------------|------------|
| 1. | Packaging Materials, Medical Devices | Total Aerobic Microbial Count | ISO 11737-1:2006 WI/SAP-Micro/5/83, Issue date: 01.04.2014 | ≥ 10 CFU/g |
| | | Yeast and Mould Count | ISO 11737-1:2006 WI/SAP-Micro/5/84 Issue date: 01.04.2014 | ≥ 10 CFU/g |
| | | Total Anaerobic Microbial Count | ISO 11737-1:2006 WI/SAP-Micro/5/85 Issue date: 01.04.2014 | ≥ 10 CFU/g |

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|-------|---------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | Packaging Materials, Medical Devices | E.coli | Adopted USP 34 WI/SAP-Micro/5/88 Issue date: 01.04.2014 | Present/ Absent /10g |
| | | S.aureus | Adopted USP 34 WI/SAP-Micro/5/87 Issue date: 01.04.2014 | Present/ Absent /10g |
| | | Pseudomonas aeruginosa | Adopted USP 34 WI/SAP-Micro/5/86 | Present/ Absent /10g |
| | | Enterobacteriaceae | Adopted USP 34 WI/SAP-Micro/5/89 | Present/ Absent /10g |
| 2. | Organic Fertilizers | Pathogenecity test | The Fertilizer (Control) Order, 1985, 13 th Edition, 2010, Sch.IV, Part D, Page No. 144-H | Present/Absent / 30 g |

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*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.

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