

<b>Laboratory</b>	<b>Envirocare Labs Pvt. Ltd., A-7, Enviro House, MIDC, Wagle Estate, Main Road, Thane, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>23.12.2014</b>
<b>Certificate Number</b>	<b>T-1204</b>	<b>Valid Until</b>	<b>22.12.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>POLLUTION AND ENVIRONMENT</b>			
<b>1.</b>	<b>Liquid Effluent/ Water and Waste Water</b>	pH	APHA 4500 H <sup>+</sup> B 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 11):1984, RA 2006 On site by handy pH meter	1 to 14
		Conductivity	APHA 2510 B, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 14): 1984, RA 2006	0.1 to 20,000 µS/cm
		Dissolved Oxygen	APHA 4500 O C 22 <sup>nd</sup> Edition, 2012	0.5 to 10 mg/l
		Total Solids	APHA 2540 B 22 <sup>nd</sup> Edition, 2012	5 to 10000 mg/l
		Total Dissolved Solids	APHA 2540 C 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 16): 1984, RA 2006	1 to 10000 mg/l
		Total Suspended Solids	APHA 2540 D 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 17): 1984, RA 2006	5 to 10000 mg/l
		Chromium (Cr <sup>+6</sup> )	APHA 3500 Cr B 22 <sup>nd</sup> Edition, 2012	0.02 to 10.0 mg/l
		BOD (5 days@20°C)	APHA 5210 B 22 <sup>nd</sup> Edition, 2012	1 to 50000 mg/l
		BOD (3 days @ 27°C )	IS 3025(Part 44):1993, RA 2009	1 to 50000 mg/l
		COD	APHA 5220 B, APHA 5520 D, 22 <sup>nd</sup> Edition, 2012	4 to 100000 mg/l
		Cyanide	APHA 4500 CN E 22 <sup>nd</sup> Edition, IS 3025(Part 27):1986, RA 2009	0.02 to 1 mg/l

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	Oil and Grease		APHA 5520 B 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 39):1991, RA 2009	1 to 10 mg/l 10 to 20 mg/l 20 to 100 mg/l 100 to 500 mg/l
	Phenol compounds		APHA 5530 C, D 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 43):1992, RA 2009	0.001 to 2.0 mg/l
	Nitrate Nitrogen		APHA 4500 NO <sub>3</sub> B, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 34):1988, RA 2009	0.5 to 10 mg/l
	Chloride		APHA 4500 Cl B, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 32):1988, RA 2009	5.0 to 1500 mg/l
	Phosphates		APHA 4500 P C, D 22 <sup>nd</sup> Edition, 2012	1 to 5 mg/l 5 to 20 mg/l 20 to 50 mg/l
	Sulphates		APHA 4500 SO <sub>4</sub> E 22 <sup>nd</sup> Edition, 2012	5 to 10 mg/l 10 to 40 mg/l 40 to 3000 mg/l
	Cadmium		APHA 3500 Cd 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 41):1992, RA 2009, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 1.0 mg/l 1.0 to 2.0 mg/l 2.0 to 5.0 mg/l

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		Copper	APHA 3500 Cu A, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 42) 1992, RA 2009, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 1.0 mg/l 1.0 to 2.0 mg/l 2.0 to 5.0 mg/l
		Nickel	APHA 3500 Ni, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 54): 2003, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 2.0 mg/l 2.0 to 5.0 mg/l
		Chromium	APHA 3500 Cr A, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 52):2003, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 1.0 mg/l 1.0 to 2.0 mg/l 2.0 to 5.0 mg/l
		Lead	APHA 3500 Pb A, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 47): 1994, RA 2009, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.2 mg/l 0.2 to 1.0 mg/l 1.0 to 5.0 mg/l
<b>2.</b>	<b>Solid Wastes, Hazardous solid wastes, Toxic wastes</b>	pH	EPA 9045C	1 to 14
		Loss on ignition at 550°C	EPA 160.4	0.5 to 99 %
		Loss on drying at 105°C	LATS/16/2002 -03	0.5 to 99 %
		Organic content	EPA 160.4	0.5 to 99 %

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Convenor

**N. Venkateswaran**  
Program Manager

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		Sulphate	EPA SW 846 method 9038	1 to 100mg/kg 100 to 2000mg/kg
		Chloride	EPA SW 846 method 9253	1 to 100 mg/kg 100 to 1000 mg/kg
		Calorific value	IS 1350:1966	100 to 500 cal/g 500 to 15000 cal/g
		Copper	By TCLP, LATS/16/2002 to 03, Chapter 7, pg 170	0.5 to 10000mg/kg
		Nickel		0.5 to 10000mg/kg
		Chromium	By Digestion, LATS/16/2002 to 03, Chapter 5, pg 41,	0.5 to 10000mg/kg
		Zinc		0.5 to 10000mg/kg
		Cadmium		0.5 to 10000mg/kg
		Lead		0.5 to 10000mg/kg
		Mercury		0.5 to 10000mg/kg
		Barium		0.5 to 10000mg/kg
		Arsenic		0.5 to 10000mg/kg
		Selenium		0.5 to 10000mg/kg
		Cobalt		0.5 to 10000mg/kg
		Calcium		0.5 to 10000mg/kg
		Magnesium	0.5 to 10000mg/kg	
		Sodium	0.5 to 10000mg/kg	
		Potassium	0.5 to 50.0 mg/kg or mg/l	
		Boron	0.5 to 50.0 mg/kg or mg/l	
		Iron	0.5 to 50.0 mg/kg or mg/l	
		Manganese	0.5 to 50.0 mg/kg or mg/l	
		Aluminium	0.5 to 50.0 mg/kg or mg/l	
		Silver	0.5 to 50.0 mg/kg or mg/l	
		Tin	0.5 to 10 mg/kg or mg/l	

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		Copper	USEPA 1311 / USEPA 6010 B, APHA 3120 B, 22 <sup>nd</sup> Edition, 2012	0.01 to 50mg/l
		Nickel		0.01 to 50mg/l
		Chromium		0.01 to 50mg/l
		Zinc		0.01 to 50mg/l
		Cadmium		0.01 to 50mg/l
		Lead		0.01 to 50mg/l
		Mercury		0.01 to 50mg/l
		Barium		0.01 to 50mg/l
		Arsenic		0.01 to 50mg/l
		Selenium		0.01 to 50mg/l
		Cobalt		0.01 to 50mg/l
		Calcium		0.01 to 50mg/l
		Magnesium		0.01 to 50mg/l
		Sodium		0.01 to 50mg/l
		Potassium		0.01 to 50mg/l
		Boron		0.01 to 50mg/l
		Iron		0.01 to 50mg/l
		Manganese		0.01 to 50mg/l
		Aluminium		0.01 to 50mg/l
		Silver		0.01 to 50mg/l
		Tin		0.01 to 50mg/l

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<b>II. AIR, GASES AND ATMOSPHERE</b>				
<b>1.</b>	<b>Stack Emission Monitoring</b>	Total Particulate Matter	IS 11255(Part 1):1985, RA 2003	10 to 1000 mg/ Nm <sup>3</sup>
		Sulphur Dioxide	IS 11255(Part 2):1985, RA 2003, APHA 12402 01 - 74T	6 to 500 mg/ Nm <sup>3</sup>
		Carbon dioxide	IS 13270:1992 RA 2009, APHA Method No. 133 and 134 Page No. 373 to 378	> 0.2 % >0.05%
		Oxides of Nitrogen	IS 11255(Part 7):2005, APHA 42603 01 - 70T	0.1 to 10 mg/ Nm <sup>3</sup> and above
<b>2</b>	<b>Ambient Air Monitoring</b>	SPM	IS 5182 (Part 4):1999, RA 2005	10 to 1000 µg/m <sup>3</sup>
		RSPM	IS 5182(Part 23):2006, RDS Method	10 to 1000 µg/m <sup>3</sup>
		SO <sub>2</sub>	IS 5182(Part 2):2001, RA 2006, APHA 42401 01 - 69T	3 to 100 µg/m <sup>3</sup>
		NOx	IS 5182(Part 6):2006, APHA 42602 01 - 68T	8 to 100 µg/m <sup>3</sup>
		Lead	ICP / US EPA IO 3.4	0.01 to 1.0 µg/m <sup>3</sup>
		Hydrogen Sulphide	IS 5182(Part 7):1973, RA 2009, APHA 42402 01 - 70T	6 to 600 µg/m <sup>3</sup>
		PM <sub>2.5</sub>	US EPA CFR 40 Part 50 Appendix L	1 to 10 µg/m <sup>3</sup> 10 to 100 µg/m <sup>3</sup> 100 to 200 µg/m <sup>3</sup>
		CO	IS 5182(Part 10):1999, RA 2009, APHA Method No. 133 Page No. 369 to 373	1 ppm and above

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		NH <sub>3</sub>	APHA 42604 01 - 72T	1 to 10 µg/m <sup>3</sup> 10 to 50 µg/m <sup>3</sup> 50 to 700 µg/m <sup>3</sup>
		Arsenic as As	ICP Method / US EPA IO 3.4	0.42 to 10 ng/m <sup>3</sup> 10 to 50 ng/m <sup>3</sup> and above
		Nickel as Ni	ICP Method / US EPA IO 3.4	0.42 to 10 ng/m <sup>3</sup> 10 to 50 ng/m <sup>3</sup> and above
		Benzene	IS 5182 (Part 11): 2006, GC FID	2.1 to 5 µg/m <sup>3</sup> and above
		Benzo(a)pyrene	IS 5182(Part 12): 2004, RA 2009, GC MS	0.1 ng/m <sup>3</sup> and above
		Ozone	APHA Method No. 820, P & CAM 154	4 to 20 µg/m <sup>3</sup> 20 to 50 µg/m <sup>3</sup> and above
3.	<b>Noise level Measurement Excluding Vibration</b>	Ambient Noise level Measurement (Ld, Ln, Ldn, Lmin., Lmax., L50, L90, L10)	IS 9989:1981	30 to 130 dB

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<b>III.</b>	<b>WATER</b>			
<b>1.</b>	<b>Packaged Drinking Water, Drinking Water Packaged Natural Mineral Water Bore water, Industrial Cooling purposes, Swimming pool water, Water for food processing industry, Construction water</b>	Color	APHA 2120 B, D 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 4): 1983, RA 2006	1 to 10Hazen or CU 10 to 500Hazen or CU
		Odour	IS 3025(Part 5):1983, RA 2006	NA
		Taste	IS 3025 (Part 8):1984, RA 2006	NA
		Turbidity	APHA 2130 B, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 10): 1984, RA 2006	0.1 to 10 NTU, 10 to 100 NTU, 100 to 500 NTU, 500 to 1000 NTU, 1000 to 4000 NTU
		TDS	APHA 2540 C, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 16):1984, RA 2006	10 to 100 mg/l, 100 to 500 mg/l, above 500 mg/l
		pH	APHA 4500 H <sup>+</sup> B 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 11) :1984, RA 2006 On site by handy pH meter	1 to 14
		Barium as Ba	APHA 3500 Ba 22 <sup>nd</sup> Edition, 2012, Annex F of IS 13428 :2005, RA 2009, IS 3025(Part 2): 2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 2.0 mg/l , 2.0 to 5.0 mg/l

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	Copper as Cu		APHA 3500 Cu A, 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 42): 1992, RA 2009, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.4 mg/l, 0.4. to 1.0 mg/l, 1.0 to 5.0 mg/l
	Iron as Fe		APHA 3500 Fe B 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 53): 2003, RA 2009, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.5 mg/l, 0.5 to 2.0 mg/l, 2.0 to 5.0 mg/l
	Manganese as Mn		APHA 3500 Mn A 22 <sup>nd</sup> Edition, 2012, IS 3025 (Part 59): 2006, IS 3025 (Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.5 mg/l, 0.5 to 2.0 mg/l, 2.0 to 5.0 mg/l
	Nitrate as NO <sub>3</sub>		APHA 4500 NO <sub>3</sub> B, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 34): 1988, RA 2009	0.1 to 5.0 mg/l, 5.0 to 50.0 mg/l, above 50 mg/l
	Nitrite as NO <sub>2</sub>		APHA 4500 NO <sub>2</sub> B 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 34): 1988, RA 2009	0.005 to 0.1 mg/l, 0.1 to 1.0 mg/l 1.0 to 10 mg/l
	Fluoride as F		APHA 4500 F D 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 60): 2008	0.1 to 1.4 mg/l, 1.4 to 5.0 mg/l

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	Zinc as Zn		APHA 3500 Zn A, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 49): 1994, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 5 mg/l, above 5.0 mg/l
	Silver as Ag		APHA 3500 Ag 22 <sup>nd</sup> Edition, 2012, Annex J of IS 13428: 2005, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.1 mg/l, 0.1 to 2.0 mg/l
	Aluminium as Al		APHA 3500 Al B 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 55): 2003, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.2 mg/l, 0.2 to 5.0 mg/l
	Chloride as Cl		APHA 4500 Cl B 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 32): 1988, RA 2009	2 to 20 mg/l, 20 to 100, 100 to 500 mg/l, above 500 mg/l
	Selenium as Se		APHA 3500 Se A 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 56): 2003, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.005 to 0.05 mg/l, 0.05 to 1 mg/l

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		Sulphate as SO <sub>4</sub>	APHA 4500 SO <sub>4</sub> E 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 24): 1986, RA 2009	5 to 50 mg/l, 50 to 200 mg/l, above 200 mg/l
		Alkalinity as HCO <sub>3</sub>	APHA 2320 B 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 23):1986, RA 2009	5 to 50mg/l, 50 to 500 mg/l, above 500 mg/l
		Calcium as Ca	APHA 3500 Ca B 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 40): 1991, RA 2009, IS 3025(Part 2):2004, RA 2009	5 to 10 mg/l, 10 to 100 mg/l 100 to 200 mg/l
		Magnesium as Mg	APHA 3500 Mg B, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 46): 1994, RA 2009, IS 3025(Part 2):2004, RA 2009	5 to 10 mg/l, 10 to 100 mg/l 100 to 200 mg/l
		Sodium as Na	APHA 3500 Na B, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 45): 1993, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.1 to 5 mg/l, 5 to 50 mg/l 50 to 500 mg/l
		Residual Free Chlorine	APHA 4500 Cl G 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 26): 1986, RA 2009  On site Qualitative test EL/SOP/66, Issue No. 01, Dt. 20.06.2014	0.05 to 0.5 mg/l, 0.5 to 2.0 mg/l, 2.0 to 4.0 mg/l
		Phenolic compounds	APHA 5530 C, D 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 43):1992, RA 2009	0.0005 to 0.01mg/l 0.01 to 0.1 mg/l, 0.1 to 0.5 mg/l, 0.5 to 1.0 mg/l

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		Anionic Surface active agents as MBAS	APHA 5540 C 22 <sup>nd</sup> Edition, 2012, Annex K of IS 13428:2005, RA 2009	0.04 to 0.5 mg/l, 0.5 to 2 mg/l
		Sulphide	APHA 4500 S 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 29):1986, RA 2009	0.04 to 0.5 mg/l, 0.5 to 5.0 mg/l
		Antimony as Sb	APHA 3500 Sb 22 <sup>nd</sup> Edition, 2012, Annex G of IS 13428 :2005, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.005 to 0.1 mg/l, 0.1 to 0.5 mg/l, 0.5 to 2.0 mg/l
		Borates as B	APHA 4500 B A 22 <sup>nd</sup> Edition, 2012, Annex H of IS 13428 :2005, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 1 mg/l 1.0 to 10.0 mg/l
		Permanganate value	IS 3025(Part 63):2007	0.4 to 1.0 mg/l
		Mercury as Hg	APHA 3500 Hg 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 48):1994, RA 2009, EPA method 200.7, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.001 to 0.1, 0.1 to 1.0 mg/l
		Cadmium as Cd	APHA 3500 Cd 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 41):1992, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.002 to 0.1 mg/l, 0.1 to 1.0 mg/l, 1.0 to 2.0 mg/l

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		Arsenic as As	APHA 3500 As A 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 37): 1988, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.1 mg/l, 0.1 to 0.5 mg/l, 0.5 to 1.0 mg/l
		Cyanide as CN	APHA 4500 CN E 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 27): 1986, RA 2009	0.01 to 0.2 mg/l
		Lead as Pb	APHA 3500 Pb A, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 47): 1994, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.1 mg/l, 0.1 to 0.5 mg/l, 0.5 to 2.0 mg/l
		Chromium as Cr	APHA 3500 Cr A, 22 <sup>nd</sup> Edition, 2012, Annex J of IS 13428:2005, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.5 mg/l, 0.5 to 1.0 mg/l, 1.0 to 2.0 mg/l
		Nickel as Ni	APHA 3500 Ni, 22 <sup>nd</sup> Edition, 2012, Annex L of IS 13428:2005, RA 2009, IS 3025(Part 2):2004, RA 2009, EL/SOP/545, Issue No. 01, Dt. 10.10.2013	0.01 to 0.2 mg/l, 0.2 to 0.5 mg/l, 0.5 to 2.0 mg/l
		Total Hardness	APHA 2340 C, 22 <sup>nd</sup> Edition, 2012, IS 3025(Part 21):2009	2 to 10 mg/l, 10 to 200 mg/l Above 200 mg/l,

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		Chromium as Cr <sup>+6</sup>	APHA 3500 Cr B 22 <sup>nd</sup> Edition, 2012	0.05 to 1.0 mg/l, 1.0 to 2.0 mg/l
		Mineral oil	IS 3025 (Part 39) :1991	0.01 to10 mg/l, 10 to 50 mg/l 50 to 100 mg/l
		<b>PAH</b>	APHA 6440, 22 <sup>nd</sup> Edition, 2012, Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 8270 D	
		Naphthalene		0.05 to 5000 µg/l
		Acenaphthylene		0.05 to 5000 µg/l
		Acenaphthene		0.05 to 5000 µg/l
		Fluorene		0.05 to 5000 µg/l
		Phenanthrene		0.05 to 5000 µg/l
		Anthracene		0.05 to 5000 µg/l
		Fluoranthene		0.05 to 5000 µg/l
		Pyrene		0.05 to 5000 µg/l
		Benzo(a)anthracene		0.05 to 5000 µg/l
		Chrysene		0.05 to 5000 µg/l
		Benzo(b)fluoranthene		0.05 to 5000 µg/l
		Benzo(k)fluoranthene		0.05 to 5000 µg/l
		Benzo(a)pyrene		0.05 to 5000 µg/l
		Dibenzo(a,h)anthracene		0.05 to 5000 µg/l
		Benzo(g,h,i)perylene		0.05 to 5000 µg/l
		Indeno (1,2,3 ,c, d) pyrene		0.05 to 5000 µg/l
		<b>PCB</b>	Annex M of IS 13428: 2005, RA 2009, Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 8270 D	
		2 Chlorobiphenyl		0.05 to 5000 µg/l
		2,2 Dichlorobiphenyl		0.05 to 5000 µg/l
		2,2',5 Trichlorobiphenyl		0.05 to 5000 µg/l
		2,4',5 Trichlorobiphenyl		0.05 to 5000 µg/l
		2,2',5,5' Tetrachlorobiphenyl		0.05 to 5000 µg/l

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		2,2',3,5' Tetrachlorobiphenyl		0.05 to 5000 µg/l
		2,3',4,4' Tetrachlorobiphenyl		0.05 to 5000 µg/l
		2,2',4,5,5' Pentachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,4,5' Pentachlorobiphenyl		0.05 to 5000 µg/l
		2,3,3',4',6 Pentachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,5,5',6 Hexachlorobiphenyl		0.05 to 5000 µg/l
		2,2',4,4',5,5' Hexachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,4,5,5' Hexachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,4',5',6 Hexachlorobiphenyl	Annex M of IS 13428: 2005, RA 2009,	0.05 to 5000 µg/l
		2,2',3,4',5,5',6 Heptachlorobiphenyl	Laboratory validated method	0.05 to 5000 µg/l
		2,2',3,4,4',5',6 Heptachlorobiphenyl	EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 8270 D	0.05 to 5000 µg/l
		2,2',3,4,4',5,5' Heptachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,3',4,4',5 Heptachlorobiphenyl		0.05 to 5000 µg/l
		2,2',3,3',4,4',5,5',6 Heptachlorobiphenyl		0.05 to 5000 µg/l
		Nonachlorobiphenyl		
		<b>Pesticide Residues</b>		
		o,p DDE	Laboratory validated method	0.01 to 1000 µg/l
		P,p DDE	EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 508	0.01 to 1000 µg/l
		o,p DDD		0.01 to 1000 µg/l
		o,p DDT		0.01 to 1000 µg/l
		P,p DDT		0.01 to 1000 µg/l
		P,p DDD		0.01 to 1000 µg/l

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		Lindane ( $\gamma$ HCH)		0.01 to 1000 $\mu\text{g/l}$
		$\alpha$ HCH		0.01 to 1000 $\mu\text{g/l}$
		B HCH		0.01 to 1000 $\mu\text{g/l}$
		Delta HCH		0.01 to 1000 $\mu\text{g/l}$
		Endosulfan I		0.01 to 1000 $\mu\text{g/l}$
		Endosulfan II		0.01 to 1000 $\mu\text{g/l}$
		Endosulfan Sulphate		0.01 to 1000 $\mu\text{g/l}$
		Ethion	Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA1657A	0.01 to 1000 $\mu\text{g/l}$
		2,4 D	Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 515.1	0.01 to 1000 $\mu\text{g/l}$
		Butachlor	Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 525.2 and 8141 A	0.01 to 1000 $\mu\text{g/l}$
		Aldrin		0.01 to 1000 $\mu\text{g/l}$
		Dieldrin		0.01 to 1000 $\mu\text{g/l}$
		Alachor		0.01 to 1000 $\mu\text{g/l}$
		Atrazine		0.01 to 1000 $\mu\text{g/l}$
		Phorate	Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 8141 A	0.01 to 1000 $\mu\text{g/l}$
		phorate sulphoxide		0.01 to 1000 $\mu\text{g/l}$
		phorate sulphone		0.01 to 1000 $\mu\text{g/l}$
		Chlorpyrifos		0.01 to 1000 $\mu\text{g/l}$
		Methyl Parathion		0.01 to 1000 $\mu\text{g/l}$
		Paraoxon Methyl		0.01 to 1000 $\mu\text{g/l}$
		Malathion		0.01 to 1000 $\mu\text{g/l}$
		Malaaxon		0.01 to 1000 $\mu\text{g/l}$
		Monocrotophos		0.01 to 1000 $\mu\text{g/l}$

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		Isoproturon	Laboratory validated method EL/SOP/041, Issue No. 01, Dt. 01.09.2008, based on EPA 532	0.01 to 1000 µg/l
<b>IV. PLASTICS AND PLASTIC PRODUCTS</b>				
1.	<b>Containers for Packaging of Natural Mineral Water and Packaged Drinking Water (Plastic Cups, Glasses, Bottles, Jars)</b>	Overall Migration test	IS 9845:1998, RA 2010, method I and II	0 to 100 mg/l
		Water Potability test	Annex B of IS 15410:2003, RA 2009, Amendments I & II	Qualitative
2.	<b>Polyethylene Flexible Pouches for the Packing of Natural Mineral Water and Packaged Drinking Water</b>	Water Potability test	Annex E of IS 15609:2005, RA 2010	Qualitative
		Overall migration	IS 9845:1998, RA 2010 Method III	0.1 to 50 mg/dm <sup>2</sup> 0 to 100 mg/l
3.	<b>Polyethylene for its Safe Use in Contact with Foodstuffs, Pharmaceuticals and Drinking Water (Caps, aluminium foils, laminates of packaging materials)</b>	Overall migration	IS 9845:1998, RA 2010 method IV	0.1 to 50 mg/dm <sup>2</sup> 0 to 100 mg/l
		Color migration	IS 9845:1998, RA 2010	Qualitative

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<b>V.</b>	<b>FOOD AND AGRICULTURAL PRODUCTS:</b>			
<b>1.</b>	<b>Milk</b>	Moisture	IS 1479 Part (2) : 1961 RA 2009 , AOAC 990.19: 19 <sup>th</sup> Ed 2012	80 – 90 %
		Total solids	IS 1479 Part (2) : 1961 RA 2009, AOAC 990.19: 19 <sup>th</sup> Ed 2012	10 – 20 %
		Milk solids not fat	IS 1479 Part (2) : 1961 RA 2009 , AOAC 990.19: 19 <sup>th</sup> Ed 2012	6 – 19 %
		Fat	IS 1479 Part (2) : 1961 RA 2009, AOAC 990.19: 19 <sup>th</sup> Ed 2012, IS 1224(Part 1):1977, RA 2009, AOAC (2000.18) : 19 <sup>th</sup> Ed 2012	1 – 7 %
		Protein ( N × 6.38)	IS 1479 Part (2) 1961RA 2009, IS 7219 : 1973 RA 2010, AOAC 991.20: 19 <sup>th</sup> Ed 2012, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	3 – 4 %
		Ash	IS 1479 Part (2) : 1961, AOAC 945.46: 19 <sup>th</sup> Ed 2012	0.2 – 1 %
		Lactose	IS 1479 Part (2) : 1961	3 – 5 %
		Sucrose	IS 1479 Part (2) : 1961	Qualitative (Present/Absent)
		Neutralizers	IS 1479(Part 2):1961, RA 2009, IS 1479(Part 1):1960, RA 2009	Qualitative (Present/Absent)
		Alkalinity of Ash	IS 1479(Part 2):1961, RA 2009, IS 1479(Part 1):1960, RA 2009	0 – 1.2 ml

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		Added Formaldehyde	IS 1479 (Part 1):1960, RA 2009	Qualitative (Present/Absent)
		Detection of Urea	IS 1479 (Part 1):1960, RA 2009	Qualitative (Present/Absent)
		Salt as NaCl	IS 1479 (Part 1):1960, RA 2009	0.1 – 0.3%
<b>2.</b>	<b>Milk powder</b>	Moisture	IS 11623:2008	0.20 – 10 %
		Total solids	IS 11623 :2008, AOAC 927.05: 19 <sup>th</sup> Ed 2012	90 – 99.8 %
		Milk fat	Is 11721 : 2005 RA 2010 , AOAC 932.06: 19 <sup>th</sup> Ed 2012	1 – 30%
		Insolubility index	IS 12759 : 1989 RA 2010	0.2 – 15ml
		Total Ash	Annex. B of IS 14433 : 2007	4 – 10 %
		Titrateable acidity as Lactic acid	Is 11766 : 1986 RA 2008	0.9 – 2 %
		Protein in milk solids not fat	IS 7219:1973, RA 2010, AOAC 930.29: 19 <sup>th</sup> Ed 2012	31 – 38 %
		Scorched particles	IS 13500 : 1992 RA 2008	7.5 – 32.5 mg

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<b>3.</b>	<b>Milk and Dairy Products</b> Milk , Condensed milk, partly skimmed and skimmed milk, Milk cereal based weaning food Processed cereal based weaning food, Milk and Dairy Products Contd.	Moisture	IS 1479(Part 2):1961, RA 2009, IS 3507:1966, RA 2009, AOAC (920.116) : 19 <sup>th</sup> Ed 2012, IS 3508 :1966, RA 2009, IS 12333:1997, RA 2008, IS 2785:1979, RA 2011, AOAC (926.08) : 19 <sup>th</sup> Ed 2012, IS 10484:1983, RA 2010	0.1 to 20 % 20.0 to 60.0 % 60 to 90 %
		Total Solids	IS 12333:1997, RA 2008, IS 2802 :1964, RA 2011, AOAC (941.08) : 19 <sup>th</sup> Ed 2012, IS 1479(Part 2):1960, RA 2009	10 to 40 % 40 to 99.5 %
		Protein N x 6.38	IS 7219:1973, RA 2010, AOAC (930.33) : 19 <sup>th</sup> Ed 2012, 1479 (Part 2):1960, RA 2009, AOAC ( 920.109, 920.123): 19 <sup>th</sup> Ed 2012, GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	6.0 to 40.0%
		Titration Acidity as Lactic acid	IS 1166:1986, RA 2009, 10484 :1983, RA 2010, IS 11765:1986, RA 2008, IS 3509:1966, RA 2009, IS 2802:1964, RA 2011, AOAC (969.21):19 <sup>th</sup> Ed 2012, IS 3507 :1966, RA 2009, IS 3508:1966, RA 2009, IS 11766:1986, IS 1165 :2002, IS 1479(Part 1):1960, RA 2009, AOAC (947.05)	0.1 to 1 % 1 to 3 %

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	Total Ash		IS 1165 :2002, RA 2009, IS 14433: 2007 RA 2012, IS 1479(Part 2) :1961, AOAC (930.30, 945.46, 935.42):19 <sup>th</sup> Ed 2012, GAFTA 2003, Method 12.0	0.1 % to 8 %
	Acid Insoluble Ash		IS 14433: 2007 RA 2012, GAFTA 2003, Method 13.0	0.01 % to 2.0 %
	Milk Fat/Fat		IS 3507:1966, RA 2009, AOAC (938.06) : 19 <sup>th</sup> Ed 2012, IS 12758:1989, IS 2785:1979, RA 2011, AOAC (933.05, 974.09) : 19 <sup>th</sup> Ed 2012, IS 10484:1983, IS 1656 : 2007 , RA 2012, IS 3509:1966, RA 2009, AOAC (995.19) : 19 <sup>th</sup> Ed 2012, IS 2802:1964, RA 2011, AOAC (952.06) : 19 <sup>th</sup> Ed 2012, IS 11721:2005, RA 2010, 1479 (Part 2):1960, RA 2009, AOAC (905.02, 989.05, 932.06) : 19 <sup>th</sup> Ed 2012, IS 1224(Part 2):1977, RA 2009, AOAC (920.111) : 19 <sup>th</sup> Ed 2012	0.1 to 5 % 5 to 50%
	Milk solids not fat		IS 1479 (Part 1):1960, RA 2009, AOAC (990.21) : 19 <sup>th</sup> Ed 2012, By calculation	0.1 to 1% 1 to 15%
	Added Starch		IS 1479(Part 1):1960, RA 2009	Qualitative (Present/Absent)

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		Insolubility index	IS 12759:1989	0.1 to 5.0ml/100g
		Solubility index	IS 14433:2007	90 to 99%
		Salt as NaCl	IS 2785:1979, RA 2011, IS 3509:1966, IS 3507:1966	0.1 to 5%
		Sugar/Sucrose	IS 1479(Part 2):1960, RA 2009	1 to 20% 20 to 50 %
		Added Sugar qualitative	IS 1166:1986, RA 2009, IS 1479(Part 1):1960, RA 2009	Qualitative (Present/Absent)
		Total Dietary Fibre	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.5 to 5.0.%
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6.0 to 10.0 mg/100g 10 to 50 mg/100g 50 to 150 mg/100g
		Saturated Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 80%
		Monounsaturated Fatty Acids (MUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	
		Polyunsaturated Fatty Acids (PUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	
		<i>trans</i> Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 80%
		Carbohydrate	IS 1656: 2007, RA 2012	5 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Lactose	IS 1479(Part 2):1960, RA 2009	5 to 20 %

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		Melamine	Validated In house method EL/SOP/518, Issue No. 01, Dt. 30.07.2010, based on application note of Metron	1 to 5 5 to 20 mg/kg and above
		Added Synthetic colour	DGHS 2005 : Manual 8 clause 4.1,4.2	Qualitative (Present/Absent)
<b>4.</b>	<b>Milk and Dairy Products</b>	Refractive Index	Mtd. 6 of IS3508:1966,RA 2009	1.3 to 1.8
	Ghee	Titre	Mtd. 7 of IS 3508:1966, RA 2009	0 to 40°C
		Melting Point (Slip point)	Mtd. 8 of IS 3508:1966, RA 2009	10 to 40°C
		Insoluble impurities	Mtd. 10 of IS 3508:1966,RA2009	0 to 5%
		Acidity as oleic acid/FFA/Acid value	Mtd. 11 of IS 3508:1966,RA2009	0.01 to 0.5%
		Reichert- Meissl value	Mtd. 12 of IS 3508:1966,RA2009	10 to 35
		Polenske value	Mtd. 12 of IS 3508:1966,RA2009	1 to 10
		Saponification value	Mtd. 13 of IS 3508:1966,RA2009	2 to 300
		Iodine value	Mtd. 14 of IS 3508:1966,RA2009	0.5 to 200
		Unsaponifiable matter	Mtd. 15 of IS 3508:1966,RA2009	0.1 to 1 % 1 to 15%
		Baudouin test	Mtd. 21 of IS 3508:1966,RA2009	Qualitative (Present/Absent)

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		Peroxide value	Mtd. 22 of IS 3508:1966,RA2009	0 to 2 meq/kg 2 to 20 meq/kg
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	100 to 250 mg /100g
<b>5.</b>	<b>Food Grains, Pulses, Cereals &amp; by products, Wheat, Rice, Chana, Moong, Rajma, Atta, Maida, Besan, Barley, Oats, Watana-Black &amp; Green&amp; White, Masoor, rawa, Lapshi, Dal, Urd, Tur, Masoor, Chana, barley flour, corn flour, corn, maize starch</b>	Moisture	IS 1155:1968, AOAC (925.10) : 19 <sup>th</sup> Ed 2012, IS 1009: 1979, IS 4333(Part 2):2002, IS 1485:1993, GAFTA 2003, (Method 2.1), D.G.H.S Manual No.3, 2005(2.0,8.2), IS 1158:1973	1 to 5 % 5 to 25%
		Uric acid	IS 4333(Part 5):1970 DGHS 2005 : Man 3 Clause3.0	1 to 100mg/kg
		Total ash	IS 1155:1968, AOAC (923.03) : 19 <sup>th</sup> Ed 2012, IS 1485:1993, IS 1009:1979, GAFTA 2003 (Method 12.0), D.G.H.S Manual No.3, 2005(8.3)	0.1 to 1% 1 to 10%
		Acid insoluble ash	IS 1155:1968, IS 1485:1993, IS 1009:1979, GAFTA 2003 (Method 13.0), D.G.H.S Manual No.3, 2005(8.4)	0.01 to 0.1% 0.1 to 5%
		Total fat	GAFTA 2003, Method (3.0), AOAC (920.85) : 19 <sup>th</sup> Ed 2012	0.1 to 1% 1 to 25%

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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
		Protein N x 6.25	IS 7219:1973, RA 2010, GAFTA 2003, Method (4.0), AOAC (920.87, 984.13A) : 19 <sup>th</sup> Ed 2012, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	5 to 60 %
		Crude fibre	IS 1155:1968, AOAC (962.09) : 19 <sup>th</sup> Ed 2012, IS 1158:1973, GAFTA 2003, (Method 10.0), IS 4706 (Part 2):1978	1 to 25 %
		Dry Gluten content	IS 1155:1968, IS 1009:1979, D.G.H.S Manual No.3, 2005(8.5)	1 to 20%
		Alcoholic acidity as H <sub>2</sub> SO <sub>4</sub>	IS 1155:1968, IS 1009:1979, IS 1158:1973, IS 12711:1989, D.G.H.S Manual No.3, 2005(8.6)	0.05 to 0.5% 0.5 to 1.0%
		Starch content	IS 4706(Part 2):1978	10 to 80%
		Detection of Kesari Dal	D.G.H.S Manual No.3, 2005(11.0)	Qualitative (Present/Absent)
		Carbohydrate	IS 1656: 2007, RA 2012	25 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6.0 to 20 mg/100g

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		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	0.01 to 100%
		<i>trans</i> Fat	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Total Dietary Fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	1 to 20%
		Sugar	IS 6287:1985, RA 2010	0.5 to 10% and above
		Damaged/Slightly Damaged/Discolored Weevilled	IS 4333(Part 1):1996, RA 2012	0.01 to 25 %
		Extraneous matter		0.01 to 25 %
		Other edible grain		0.01 to 25 %
		Shrivelled / immature		0.01 to 25 %
		Broken		0.01 to 25 %
		Chalky		0.01 to 25 %
		Red grains / kernel with hulls		0.01 to 25 %
		Added synthetic colour	DGHS 2005 : Manual 8 clause 4.1,4.2	Qualitative (Present/Absent)

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<b>6.</b>	<b>Bakery Products</b> Biscuits, Bread, Cakes, Cookies, Cookies Mix, Cake Mix nankatai, bread sticks, toast	Moisture	IS 1011:2002, RA 2009, IS 12711:1989, D.G.H.S Manual No.3, 2005(14.3,15.2), D.G.H.S Manual No.4, 2005(15.2)	0.1 to 15%
		Fat	IS 12711:1989, GAFTA 2003, Method 3.0, AOAC (922.06) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.4, 2005(15.3)	0.5 to 10% 10 to 50 %
		Acidity of extracted fat as oleic acid	IS 1011:2002, RA 2009, IS 12711:1989, D.G.H.S Manual No.3, 2005(14.5)	0.05 to 1% 1 to 3%
		Ash	IS 1011:2002, RA 2009, IS 12711:1989, AOAC (923.03) : 19 <sup>th</sup> Ed 2012	0.1 to 25%
		Acid insoluble ash	IS 1011:2002, RA 2009, IS 12711:1989, D.G.H.S Manual No.3, 2005(14.4,15.4), D.G.H.S Manual No.4, 2005(15.5)	0.01 to 0.05% 0.05 to 0.5 % 0.5 to 5%
		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	5 to 80%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	10 to 80%
		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	10 to 80%

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		<i>trans</i> Fat	IS 548(Part 3):1976, RA 2000, AOAC 996.06: 19 <sup>th</sup> Ed 2012	0.01 to 5%
		Protein N x 6.25	IS 7219:1973, RA 2010, GAFTA 2003, Method 4.0, D.G.H.S Manual No.3, 2005(8.8), EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.5 to 5 % 5 to 25 %
		Carbohydrate	IS 1656: 2007, RA 2012	25 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		pH at 25°C	IS 12711:1989	2 to 10
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6.0 to 10.0 mg/100g 10 to 50 mg/100g
		Total Dietary fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.5 to 5 % 5 to 20%
		Sugar / Sucrose	IS 6287:1985, RA 2010 IS 1163:1992, RA 2009	1 to 10 % 10 to 60%
		Milk solids (on moisture & fat free basis)	IS 1163:1992, RA 2009,	5 to 15 %
		Alcoholic acidity as H <sub>2</sub> SO <sub>4</sub>	IS 12711:1989, D.G.H.S Manual No.3, 2005(15.3)	0.05 to 0.5 %
		Salt as NaCl	IS 1797:1985 / D.G.H.S Manual No.3, 2005(16.2)	0.1 to 5%
		Added synthetic colour	DGHS 2005 : Manual 8 clause 4.1,4.2	Qualitative (Present/Absent)

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7.	<b>Honey &amp; Honey Based Products</b>	Specific gravity at 27°C	IS 4941:1994, RA 2008, D.G.H.S Manual No.4, 2005(6.3)	0.9500 to 1.4000
		Moisture	IS 4941:1994, RA 2008, AOAC (969.38) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.4, 2005(6.2)	13 to 25 %
		Total reducing sugar	IS 4941:1994, RA 2008, D.G.H.S Manual No.4, 2005(6.4)	60 to 80%
		Ash	IS 4941:1994, RA 2008, AOAC (920.181) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.4, 2005(6.7)	0.1 to 2%
		Acidity as formic acid	IS 4941:1994, RA 2008, AOAC (962.19) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.4, 2005(6.8)	0.1 to 0.5%
		Fructose Glucose ratio	IS 4941:1994, RA 2008, D.G.H.S Manual No.4, 2005(6.5)	0.9 to 1.8
		Fiehes test	IS 4941:1994, RA 2008, D.G.H.S Manual No.4, 2005(6.6.1)	Qualitative
		Aniline chloride test	D.G.H.S Manual No.4, 2005(6.6.2)	Qualitative
		Sucrose	IS 4941:1994, RA 2008, AOAC (920.184) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.4, 2005(6.4.4)	1 to 7%
		Carbohydrate	IS 1656:2007, RA 2012	30 to 80 %
		Fat	IS 6287:1985, RA 2010	0.1 to 1% 1 to 5%

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		Protein N x 6.25	GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014, AOAC (962.18) : 19 <sup>th</sup> Ed 2012	0.5 to 10.0 %
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Determination of acid Insoluble ash	GAFTA 2003 (Method 13.0), IS 6287:1985	0.01 to 0.1% 0.1 to 1 %
		Hydroxy Methyl Furfural	IS 4941:1994, RA 2008 Annexure F, AOAC (980.23) : 19 <sup>th</sup> Ed 2012	30 to 100 mg/kg
<b>8.</b>	<b>Spices &amp; Condiments Whole/ Powder- Caraway, Cardamom, Chillies, Cinnamon, Cassia, Cloves, Coriander, Cumin, Kalonji, Fennel, Fenugreek, Dry ginger, Mace, Mustard, Nutmeg, black pepper, Saffron, turmeric, Saunf, white pepper, dehydrated onion, Asafoetida), (Whole-Poppy seeds, garlic,</b>	Moisture	IS 1797:1985, IS 7807:1975, IS 5453:1966, AOAC (986.21) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.10, 2005(3.0)	1 to 50%
		Total ash	IS 1797:1985, IS 7807:1975, IS 5453:1966, AOAC (941.12) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.10, 2005(4.0)	0.1 to 15%
		Acid insoluble ash	IS 1797:1985, IS 7807:1975, IS 5453:1966, D.G.H.S Manual No.10, 2005(5.0)	0.02 to 3%
		Water insoluble ash	IS 1797:1985	0.1 to 3%
		Peroxide value of extracted fat	IS 548(Part 1):1964	0 to 2 meq/Kg 2 to 20 meq/Kg

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	<b>Celery, Ajwain, star anise) (Powdered- Curry, Masala Mix, Gravies, Pickles, Sambar masala, Pav bhaji masala, chat masala, chole masala, garam masala, biryani masala) Contd.</b>	Crude Fibre	IS 1797:1985, IS 4706 (Part 2):1978	20 to 100meq/Kg 2 to 40%
		Volatile oil	IS 1797:1985, AOAC (962.17) : 19 <sup>th</sup> Ed 2012	0.1 to 20 %
		Non volatile ether extract	IS 1797:1985	2 to 30%
		Cold water soluble extract	IS 1797:1985	1.5 to 60 %
		Protein N x 6.25	GAFTA 2003, Method 4.0, IS 7219:1973, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	1 to 50%
		Starch	IS 4706 (Part 2):1978	5 to 80%
		Curcumin content	D.G.H.S Manual No. 10, 2005 (15.4)	0.5 to 5 %
		Presence of Chromate	IS 3576:1994	Qualitative (Present/Absent)
		Total fat	GAFTA,2003, Method 3.0	0.5 to 20%
		Carbohydrate	IS 1656:1997	10 to 75%
	Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation	
	Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 25 mg/100g	
	Total Dietary Fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	1 to 40%	



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		Broken fruit, seed and fragment	EL/SOP/565, Issue No. 01, Dt. 10.10.2013	Qualitative
		Tendrils, mother clove		Qualitative
		Khokar clove		Qualitative
		Headless cloves		Qualitative
		Split fruit (coriander)		Qualitative
		Damaged discolored fruit	EL/SOP/565, Issue No. 01, Dt. 10.10.2013	Qualitative (Present/Absent)
		Defective seed (fennel)		Qualitative
		Edible seed other than fennel seed		Qualitative
		Light berries (black pepper)		Qualitative
		Pin head or broken berries		Qualitative
		Defective rhizome (turmeric)		Qualitative
		Floral waste	IS 5453:1996, RA 2012	Qualitative
		Colour extractables	AOAC 971.26: 19 <sup>th</sup> Ed 2012	50 to 200 ASTA Colour Unit
		Sudan Dyes (I, II, III, IV)	In house validated method EL/SOP/531, Issue No. 01, Dt. 02.09.2012, Based on DGHS Manual	2 to 100mg/kg
		Added synthetic colour	DGHS 2005 : Man. 8 clause 4.1.4.2	Qualitative (Present/Absent)

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<b>9.</b>	<b>Fruits and Vegetable products, Fruit Juice, Fruit pulp, Puree, Chutney/ Culinary paste, Sauces, Ketchups, Ready to eat vegetables, Canned fruit &amp; vegetables, Dehydrated, Instant drink powder, Jam, Jellies, pickles, vegetable soup powders, Candied crystalized and glazed, murabba, tooty fruity, thermally processed fruits, vegetables, curried, vegetables, Nectar, ready to serve beverages, squashes, crushes, sharbat, Syrups, Marmalades)</b>	Moisture	AOAC (934.06) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(4.0), IS 6287:1985	20 to 50% 50 to 100 %
		Total solids	AOAC ( 920.151), D.G.H.S Manual No.5, 2005(2.1)	10 to 50% 50 to 80%
		Total Soluble solids	IS 13815:2010, AOAC (932.12, 976.20, 983.17) : 19 <sup>th</sup> Ed 2012 D.G.H.S Manual No.5, 2005(1.6,2.2,2.12)	5 to 50 % 50 to 85 %
		Acidity of cut out syrup / Total acidity	IS 2860:1964, RA 2008 AOAC (942.15) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(2.4)	0.1 to 5%
		Added sugars	AOAC (925.35, 923.09) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(2.6), IS 6287:1985	1 to 50 %
		Sodium chloride in Brine	IS 2860:1964, RA 2008, D.G.H.S Manual No.5, 2005(1.7)	0.25 to 20%
		pH at 25°C	IS 2860:1964, RA 2008/ D.G.H.S Manual No.5, 2005(2.3)	1.0 to 14.0
		Total ash	D.G.H.S Manual No.5, 2005(5.3), IS 6287:1985, AOAC (940.26) : 19 <sup>th</sup> Ed 2012	0.1 to 25%
		Acid insoluble ash	D.G.H.S Manual No.5, 2005(5.3), IS 6287:1985	0.01 to 2%
Carbohydrate	IS 1656: 2007, RA 2012	2 to 80%		

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		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 10mg/100g
		Saturated Fat	AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids (PUFA)	AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		<i>trans</i> Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Total Dietary Fibres	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.5 to 5%
		Protein N x 6.25	IS 7219:1973, RA 2010, IS 6287:1985, RA 2010, GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.1 to 5 % 5 to 20% 20 to 50%
		Fat	IS 6287:1985, RA 2010, GAFTA,2003,Method 3.0	0.05 to 5% 5 to 20%
		Salt	IS 1797:1985, IS 4706 (Part 2):1978, D.G.H.S Manual No.5, 2005(1.7)	0 to 10%
		Drained weight	D.G.H.S Manual No.5, 2005(1.4)	20 to 80%
		Sulphur dioxide	D.G.H.S Manual No.8, 2005(17.7), AOAC 990.28	10 to 2000mg/kg

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		Benzoic Acid	D.G.H.S Manual No.8, 2005(1.2.2)	5 to 1000mg/kg
		Water activity	EL/SOP/530, Issue No. 01, Dt. 25.02.2011	0.1 to 1 aw
		Added synthetic colour	DGHS 2005 : Manual to 8 clause 4.1, 4.2	Qualitative (Present/Absent)
<b>10.</b>	<b>Oils, fats &amp; related products, Coconut, Ground nut, Sesame, Sunflower, Olive, Mustard, soyabean, olive, palmolein, palm, cotton seed, Safflower, Maize, Almond, Palm kernel, Rice bran oil, Edible fats, Margarine, Fat spread) contd.</b>	Moisture & volatile matter	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(3.0)	0.01 to 5%
		Free fatty acid	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(11.0)	0.01 to 6%
		Acid value	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(11.0)	0.2 to 200
		Saponification value	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(9.0)	170 to 300
		Iodine value	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(12.0)	7.5 to 150
		Specific gravity	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(4.0)	0.8000 to 1.2000
		Refractive index	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(5.0)	1.3000 to 1.8000
		Ash	GAFTA 2003, method 12.0	0.01 to 10%
		Unsaponifiable matter	IS 548(Part 1):1964, D.G.H.S Manual No.2, 2005(10.0)	0.1 to 1 % 1 to 15%

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		Peroxide value	IS 548(Part 1):1964,	0 to 2 meq/kKg 2 to 20 meq/ kg 20 to 100 meq/ kg
		Colour By Lovibond Tintometer	IS 548(Part 1):1964,	Red 0.1 to 70.0 Yellow 0.1 to 70.0 Blue 0.1 to 40.0 Neutral 0.1 to 3.0
		Antioxidants (TBHQ, BHA, BHT)	AOAC (983.15) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.8, 2005(5.2.4)	2.5 to 100 mg/kg 100 to 300 mg/kg
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 30, 30.0 to 100.0 mg/100g
		Saturated Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	
		Polyunsaturated Fatty Acids (PUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	
		<i>trans</i> Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	
		Melting point	D.G.H.S Manual No.2, 2005(8.0)	25 to 40°C
		Test for Argemon oil	D.G.H.S Manual No.2, 2005(30.0)	Qualitative test
		Belier's test	D.G.H.S Manual No.2, 2005(14.0)	10 to 50°C

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>11.</b>	<b>Starch and starchy products</b> custard powder, corn flakes, ready to eat products, noodles, pasta contd.	Moisture	IS 4706 (Part 2):1978	0.1 to 20%
		Ash	IS 4706 (Part 2):1978	0.1 to 10%
		Acid insoluble ash	IS 4706 (Part 2):1978	0.01 to 2%
		Protein N x 6.25	IS 4706 (Part 2):1978, EL/SOP/549	1 to 60 %
		Crude fibre	IS 4706 (Part 2):1978	0.1 to 15%
		pH of aqueous extract	IS 4706 (Part 2):1978	2.0 to 10.0
		Alcoholic acidity	IS 4706 (Part 2):1978	0.01 to 1% 1 to 5%
		Starch content	IS 4706 (Part 2):1978	30 to 95%
		Total fat	GAFTA 2003,Method 3.0	1 to 10%
		Carbohydrate	IS 1656: 2007, RA 2012	70 to 95%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 10mg/100g
		Saturated Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
Monounsaturated Fatty Acids (MUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%		
Polyunsaturated Fatty Acids (PUFA)	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%		

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		trans Fat	AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Total Dietary fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.2 to 10%
		Salt	IS 4706(Part 2):1978	0 to 10%
		Sulphated ash	IS 4706(Part 2):1978	0.1 to 10%
		Added synthetic colour	DGHS 2005 : Manual No. 8 clause 4.1,4.2	Qualitative (Present/Absent)
<b>12.</b>	<b>Tea and tea products, Tea masala, Herbal Tea</b>	Moisture	IS 3077:1992	1 to 20%
		Ash	IS 13854:1994	0.1 to 10 %
		Water soluble ash/ water insoluble ash	IS 13855:1993	45 to 100% of total ash
		Ash insoluble in HCL	IS 13857:1993	2% max
		Aqueous Extract	IS 3077:1992	5 to 40 %
		Alkalinity of soluble ash	IS 13856:1993	1 to10 %
		Crude Fibre	IS 1155:1968, GAFTA method 10.0, IS 4706(Part 2):1978	1 to 20 %
		Added synthetic colour	DGHS 2005 : Manual No. 8 clause 4.1, 4.2	Present/Absent

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<b>13.</b>	<b>Coffee, cocoa and by products, Chicory mix, chocolates, Cocoa powder</b>	Moisture	IS 3077:1992, IS 1164: 1986, D.G.H.S Manual No. 4, 2005(1.2,4.2), IS 1163:1992	0.1 to 5% 5 to 20%
		Ash	IS 13854:1994, IS 1164: 1986, IS 3077:1992, IS 1163:1992, D.G.H.S Manual No.4, 2005(1.3), IS 4706(Part 2):1978	1 to 10 %
		Water soluble ash	IS 3077:1992, D.G.H.S Manual No.4, 2005(1.4)	65 to 100 % of total ash
		Ash insoluble in HCl	IS 3077:1992, IS 1164: 1986, IS 1163:1992, D.G.H.S Manual No.4, 2005(1.5), IS 4706(Part 2):1978	0 to 2%
		Aqueous Extract / Water soluble matter	IS 3077:1992, D.G.H.S Manual No.4, 2005(1.7)	5 to 35 %
		Alkalinity of soluble ash	IS 3077:1992, IS 1164: 1986, D.G.H.S Manual No.4, 2005(1.6)	1 to 10 ml
		Crude Fibre	IS 1155:1968, IS 1164: 1986, D.G.H.S Manual No.4, 2005(5.8), GAFTA method 10.0, IS 4706(Part 2):1978	1 to 20 %
		Caffeine content	IS 3077:1992, , D.G.H.S Manual No.4, 2005(1.8A)	0.1 to 5 %

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		Coca butter/Fat content/Pet. Ether extract	IS 1164: 1986, IS 1163:1992, IS 3077:1992, D.G.H.S Manual No. 4, 2005(4.3), IS 4706(Part 2):1978	5 to 35 %
		Added synthetic colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Present/Absent
<b>14.</b>	<b>Snacks, Convenience Products</b>	Moisture	IS 15271: 2003, GAFTA, 2003 Method 2.1	0.1 to 80%
	Namkeen-farsan, Instant mix like idli, Dosa, Dhokala, Jalebi, Gulabjam, Breakfast cereals, Chapati, Paratha, Khakara, Bhajani pith, Thalipith bhajani, Cheese balls, chikki, pickles, salted/Masala nuts)	Ash	IS 15271: 2003, GAFTA,2003 Method 12.0	0.1 to 25%
		Acid Insoluble ash	IS 15271: 2003, GAFTA,2003 Method 13.0	0.01 to 5%
		Fat	IS 15271: 2003, GAFTA,2003 Method 3.0	0.1 to 50%
		Protein N x 6.25	IS 7219:1973, RA 2010, GAFTA,2003 Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.1 to 5 % 5 to 50%
		Carbohydrate	IS 1656: 2007, RA 2012	5 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Sugar	IS 6287:1985, RA 2010	1 to 50%
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 25 mg/100g

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		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids(PUFA)	IS 548(Part 3):1976,RA 2000,AOAC(996.0) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		trans Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Peroxide value of extracted fat	IS 548(Part 1):1964, IS 15271:2003	0 to 50 meq/kg
		Acid value/ Acidity of extracted fat	IS 15271:2003, D.G.H.S Manual No.3, 2005(14.4	0.01 to 50%
		Salt as NaCl	IS 4706(Part 2):1978	1 to 5%
		Total Dietary fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.2 to 2% 2 to 15%
		Added synthetic colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Qualitative (Present/Absent)
<b>15.</b>	<b>Oil seeds and by products</b> (Sesame seeds, Mustard)	Damaged seeds	IS 3579:1966	0.1 to 15 %
		Slightly damaged seeds		0.1 to 15 %
		Shivelled immature dark seeds		0.1 to 15 %
		Splut or cracked seeds		0.1 to 15 %
		Number of kernels per 25 g	IS 4427:1967	Qualitative

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		Impurities	IS 3579:1966	0.1 to 25 %
		Moisture		15 %
		Oil content		10 to 65 %
		Acid value of extracted fat as oleic acid/ FFA		0.5 to 20 mg KOH /g
		Ash	GAFTA 2003 (Method 12.0)	0.1 to 15%
		Acid Insoluble ash	GAFTA 2003 (Method 13.0)	0.01 to 5 %
		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		trans Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Protein N x 6.25	IS 7219:1973/ GAFTA 2003 Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0 to 20%
		Carbohydrate	IS 1656:1997	5 to 50 %
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Total Dietary Fiber	AOAC (985.29)	0.2 to 15%
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 50 mg/100g 50 to 150 mg %
		Salt as NaCl	IS 1797:1985	0.1 to 10 %

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<b>16.</b>	<b>Nuts &amp; Nuts products</b> (Ground nut, Cashew, Pista, Almonds, chikkies)	Moisture	AOAC (925.40) : 19 <sup>th</sup> Ed 2012	1 to 25%
		Fat	GAFTA,2003 Method 3.0, AOAC (948.22) : 19 <sup>th</sup> Ed 2012 , IS 3579:1966	1.0 to 75%
		Protein N x 6.25	GAFTA,2003 Method 4.0 AOAC (950.48) : 19 <sup>th</sup> Ed 2012, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	1.0 to 25%
		Carbohydrate	IS 1656: 2007, RA 2012	5 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Crude fiber	IS 1797:1985, IS 1155:1968, AOAC (935.53) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual 2005, GAFTA method 10.0, IS 4706(Part 2):1978	0.1 to 30%
		Acidity of extracted fat as oleic acid	IS 3579:1966, IS 548 (Part 1):1964, D.G.H.S Manual No.3, 2005(14.4)	0.01 to 50%
		Peroxide value	IS 548(Part 1):1964	0 to 50 meq /kg
		Sugar	AOAC (950.50, 950.51) : 19 <sup>th</sup> Ed 2012	0.1 to 60%
		Salt as NaCl	AOAC (950.52) : 19 <sup>th</sup> Ed 2012	0.1- 25%
Ash	GAFTA 2003 (Method 12.0), AOAC (950.49)	0.1 to 15%		
Acid insoluble ash	GAFTA 2003 (Method 13.0)	0.01 to 5 %		

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17.	<b>Meat &amp; Meat products</b> (Raw meat-Chicken, Ready to eat)	Moisture	IS 5960(Part 5):2001, AOAC (950.46) : 19 <sup>th</sup> Ed 2012	20 to 80%
		Ash	IS 5960(Part 2):2000, AOAC (920.153) : 19 <sup>th</sup> Ed 2012	0.1 to 25%
		Acid Insoluble Ash	IS 4706(Part 2):1978, GAFTA,2003 Method 13.0	0.01 to 5%
		Total Fat	IS 5960(Part 3):1970, D.G.H.S Manual No.6, 2005(2.0)	0.1 to 50 %
		Free fat	IS 5960(Part4):1997	0.1 to 5 % 5 to 30 %
		Protein N x 6.25	IS 5960(Part 1):1996, AOAC (928.08) : 19 <sup>th</sup> Ed 2012, GAFTA 2003, Method 4.0, D.G.H.S Manual No.6, 2005(2.2), EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.1 to 50%
		Carbohydrate	IS 1656: 2007, RA 2012	1 to 80%
		Salt as NaCl	IS 5960(Part 6 Sec. 1):1997, AOAC (935.47) : 19 <sup>th</sup> Ed 2012	1 to 10 %
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Cholesterol	AOAC 976.26, 994.10	6 to 100 mg/100g
Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC ( 996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%		
Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%		

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		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		<i>trans</i> Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Total Dietary Fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.5 to 10%
		Added synthetic colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Qualitative (Present/Absent)
<b>18.</b>	<b>Fish &amp; Fishery products</b> (Fish fillets, Prawns, Pomfret, ready to eat fish products)	Moisture	IS 9808:1981, AOAC (952.08) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.6, 2005(2.2),	1 to 80%
		Ash	IS 9808:1981, AOAC (938.08) : 19 <sup>th</sup> Ed 2012	0.1 to 25%
		Acid Insoluble Ash	IS 4706(Part 2):1978, IS 9808:1981, GAFTA,2003 Method 13.0 D.G.H.S Manual No.6, 2005(2.4)	0.01 to 5%
		Total Fat	IS 9808:1981, AOAC (948.15) : 19 <sup>th</sup> Ed 2012, GAFTA 2003(3.0)	0.1 to 50%
		Protein N x 6.25	IS 5960(Part 1):1996, IS 9808: 1981, AOAC (940.25) : 19 <sup>th</sup> Ed 2012, GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.1 to 5 % 5 to 50%

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		Carbohydrate	IS 1656: 2007, RA 2012	1 to 80%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6.0 to 100 mg/100g
		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		<i>trans</i> Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Total Dietary Fiber	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.1 to 10%
		Salt as NaCl	AOAC (937.09) : 19 <sup>th</sup> Ed 2012	0.1 to 20%
		Total Volatile Base Nitrogen	D.G.H.S Manual No.6, 2005(1.2)	5 to 100mg/100g
		Added synthetic colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Qualitative (Present/Absent)

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>	
<b>19.</b>	<b>Metals &amp; Metals contaminants</b> (Milk products, Pulses, Cereals & Bakery & Confectionery, Spices, Fruit & Vegetable products, Starch & Starchy Products, Oil, Snacks, Convenience Products, Meat & Meat Products, Fruit Juices & concentrates, Food ingredients, Essential oils, infant food, Food supplement, Honey, Fish & Fishery products )	Sodium	AOAC (966.16, 984.27, 985.35, 985.01) : 19 <sup>th</sup> Ed 2012, EL/SOP/534, Issue No. 01, Dt. 01.06.2012	0.025 to 50mg/kg 50 to 1000 mg/kg	
		Potassium		0.025 to 50mg/kg 50 to 1000 mg/kg	
		Calcium		0.025 to 50mg/kg 50 to 1000 mg/kg	
		Iron		0.025 to 50mg/kg 50 to 1000 mg/kg	
		Magnesium		0.025 to 50mg/kg 50 to 1000 mg/kg	
		Manganese		0.025 to 50mg/kg 50 to 1000 mg/kg	
		Zinc		AOAC (966.16, 984.27, 985.35, 986.15, 999.10, 999.11, 986.15, 971.21) : 19 <sup>th</sup> Ed 2012, EL/SOP/534, Issue No. 01, Dt. 01.06.2012	0.025 to 50mg/kg 50 to 1000mg/kg
		Copper			0.025 to 50mg/kg 50 to 1000mg/kg
		Selenium			0.025 to 50mg/kg 50 to 1000mg/kg
		Molybdenum			0.025 to 50mg/kg 50 to 1000mg/kg
	Arsenic	0.025 to 50mg/kg 50 to 1000mg/kg			
	Mercury	0.025 to 50mg/kg 50 to 1000mg/kg			

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		Cadmium		0.025 to 50mg/kg 50 to 1000mg/kg
		Lead		0.025 to 50mg/kg 50 to 1000mg/kg
		Chromium		0.025 to 50mg/kg 50 to 1000mg/kg
		Nickel	AOAC (966.16, 985.35) : 19 <sup>th</sup> Ed 2012, EL/SOP/534,	0.25 to 50 mg/kg
		Tin	Issue No. 01, Dt. 01.06.2012	0.25 to 50 mg/kg
		Vanadium		0.25 to 50 mg/kg
		Boron		0.25 to 50 mg/kg
		Phosphorus	AOAC 995.11, 935.45, 970.39: 19 <sup>th</sup> Ed 2012	0.25 to 500 mg/100g
<b>20.</b>	<b>Animal Feeds</b> (Cotton seed, Oil cake, Fish meal)	Moisture	IS 7874(Part 1):1999, GAFTA 2003, Method 2.1,	1 to 50%
		Ash	IS 7874(Part 1):1999, GAFTA 2003, Method 12	0.1 25 %
		Acid insoluble ash	IS 7874(Part 1):1999, GAFTA 2003, Method 13	0.01 to 5 %
		Crude fat	IS 7874(Part 1):1999, GAFTA 2003, Method 3	0.1 to 50 %
		Crude protein	IS 7874(Part 1):1999, GAFTA 2003, Method 4, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.1 to 50 %

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Crude fibre	IS 7874(Part 1):1999, GAFTA 2003, Method 10, IS 4706 (Part 2):1978	0.1 to 30 %
		Sodium	IS 7874(Part 1):1999, AOAC (984.27, 985.35),	0.25 to 1000 mg/kg
		Calcium	EL/SOP/534, Issue No. 01, Dt. 01.06.2012	0.25 to 1000 mg/kg
		Potassium		0.25 to 1000 mg/kg
		Iron		0.25 to 1000 mg/kg
<b>21.</b>	<b>Fruit Juices and concentrates</b> (Fruit pulp, Juice, Instant drink powder)	Moisture	AOAC (934.06) : 19 <sup>th</sup> Ed 2012, IS 6287:1985	5 to 20% 20 to 99%
		Total solids	AOAC ( 920.151) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(3.5), By calculation	10 to 25 % 25 to 95%
		Soluble solids	IS 13815:1993, D.G.H.S Manual No.5, 2005(3.1)	5 to 80%
		Acidity	IS 2860:1964, RA 2008, AOAC (942.15) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(2.4)	0.1 to 5%
		Added sugars	AOAC (925.35) : 19 <sup>th</sup> Ed 2012, D.G.H.S Manual No.5, 2005(2.6), IS 6287:1985	1 to 10% 10 to 50 %
		Sodium chloride (Brine)	IS 2860:1964, RA 2008, D.G.H.S Manual No.5, 2005(1.7)	0.25 to 20%
		pH at 25°C	IS 2860:1964, RA 2008	1.0 to 10.0

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		Total ash	IS 13846:1993, D.G.H.S Manual No.5, 2005 (2.10.7)	0.1 to 2% 2 to 25%
		Acid insoluble ash	IS 13846:1993	0.01 to 2%
		Carbohydrate	IS 1656: 2007, RA 2012	2 to 20 % 20 to 80%
		Protein N x 6.25	IS 7219:1973, RA 2010, IS 6287:1985, RA 2010, GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.05 to 5 %
		Fat	IS 6287:1985, RA 2010	0.05 to 5%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Added synthetic colour	DGHS 2005 : Manual No. 8clause 4.1,4.2	Qualitative (Present/Absent)
22.	<b>Sugar and confectionary products</b> (Sugar, Chikkies, Jam, Jellies, Confectionery, Chywanprash, Jaggary, Chocolate, Cocoa products)	Moisture	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(7.2), IS 1163:1992, RA 2009, IS 1164:1986, RA 2007	0.5 to 5 % 5 to 30%
		Ash	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(7.3), IS 1163:1992, RA 2009, IS 1164:1986, RA 2007	0.1 to 10%

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		Acid insoluble ash	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(9.4), IS 1163:1992, RA 2009, IS 1164:1986, RA 2007	0.01 to 5%
		Fat	IS 6287:1985, RA 2010, IS 1163:1992, RA 2009, IS 1164:1986, RA 2007	0.1 to 50%
		Protein N x 6.25	IS 6287:1985, RA 2010/ GAFTA 2003, Method 4.0, EL/SOP/549, Issue No. 01, Dt. 01.01.2014	0.5 to 5% 5 to 20%
		Carbohydrates	By calculation / IS 1656: 2007, RA 2012	2 to 90%
		Sucrose	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(7.4), IS 1163:1992, RA 2009	Min 1.0 to 10 % 10 to 90 %
		Total Dietary Fibre	AOAC (985.29) : 19 <sup>th</sup> Ed 2012	0.1 to 5%
		Cholesterol	AOAC 976.26, 994.10: 19 <sup>th</sup> Ed 2012	6 to 10mg/100g
		Saturated Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Monounsaturated Fatty Acids (MUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Polyunsaturated Fatty Acids (PUFA)	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%

**Anuja Anand**  
Convenor

**N. Venkateswaran**  
Program Manager

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		<i>trans</i> Fat	IS 548(Part 3):1976, RA 2000, AOAC (996.06) : 19 <sup>th</sup> Ed 2012	0.01 to 100%
		Energy	EL/SOP/509, Issue No. 01, Dt. 01.11.2008	By Calculation
		Reducing sugar	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(6.4)	0.5 to 70%
		Lactose	IS 6287:1985, RA 2010	0.5 to 20%
		Brix (Total soluble solids)	IS 13815:1993	5 to 80%
		Sulphated ash	IS 6287:1985, RA 2010, D.G.H.S Manual No.4, 2005(10.0)	0.1 to 1% 1 to 10%
		Acidity	D.G.H.S Manual No.4, 2005	0.1 to 5%
		Added colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Qualitative (Present/Absent)
<b>23.</b>	<b>Beverages &amp; Soft drinks</b> (Pepsi, Miranda, Coke, Energy drinks )	pH at 25°C	IS 2860:1964, RA 2008	1 to 10
		Total soluble solids	AOAC (950.27) : 19 <sup>th</sup> Ed 2012 , D.G.H.S Manual No.5, 2005(3.5), IS 13815: 2010	0.1 to 2% 2 to 20 %
		Acidity	IS 13844:1998, D.G.H.S Manual No.5, 2005(2.4),	0.1 to 1% 1 to 10 %
		Sugar	IS 6287:1985, RA 2010, A0AC (923.09) : 19 <sup>th</sup> Ed 2012 , D.G.H.S Manual No.5, 2005(2.6)	0.5 to 50 %

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		Caffeine	AOAC 962.13: 19 <sup>th</sup> Ed 2012	5 to 200 mg/100ml
		Added colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Qualitative (Present/Absent)
<b>24.</b>	<b>Alcoholic Beverages</b> (Beer, Wine, Whisky, Vodka, Rum, Gin, Champagne)	pH at 25°C	IS 3865:2001	1 to 10
		Specific Gravity at 20°C	IS 3506:1989	0.5002 to 1.5000
		Ethyl alcohol content	IS 3865:2001, IS 7585:1995, RA 2000, IS 3752:2005	1 to 10% 10 to 50 % 50 to 100 %
		Methyl alcohol content	IS 3865:2001, IS 3752:2005	500 to 5000 mg/100l
		Added colour	DGHS 2005 : Manual No. 8, clause 4.1,4.2	Present/Absent
		<b>Mycotoxins</b>		
<b>25.</b>	<b>Nut &amp; Nut products, Cereal products, Spices, Oils, Oil seeds, Animal feed, Tea, Food ingredients/ Food supplement, Honey, Fish &amp; Fishery products</b>	Aflatoxins B1	AOAC 990.33, 991.31: 19 <sup>th</sup> Ed 2012, Agilent application note	1 to 1000 µg/kg
		B2	In house validated method	1 to 1000 µg/kg
		G1	EL/SOP/529, Issue No. 01, Dt. 20.07.2012	1 to 1000 µg/kg
		G2		1 to 1000 µg/kg

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
26.	Milk and milk products	<b>Mycotoxins</b> Aflatoxin M1	AOAC (986.16)/ AOAC (2000.08) 19 <sup>th</sup> Ed 2012, Agilent application note method EL/SOP/523, Issue No. 01, Dt. 01.09.2012	0.5 to 1000 µg/kg
		<b>Vitamins</b>		
27.	Milk & Dairy products, Food Grains, Pulses, Cereals & by product, Bakery & Confectionery, Products, Honey & Honey, products, Spices & Condiments, Fruit & Vegetable products, Starch & Starchy Products, Snacks, Convenience Products, Meat & Meat Products, Fruit Juices & concentrates, Oil, Infant food, Food ingredients/ Food supplement	Vitamin A	AOAC (974.29, 2001.13) : 19 <sup>th</sup> Ed 2012 IS 5886:1970	100 to 1000 IU 1000 to 5000 IU
		Vitamin B1	AOAC (942.23) : 19 <sup>th</sup> Ed 2012, IS 5398:1969	0.1 to 5.0 mg/100gm
		Vitamin B2	AOAC 970.65) : 19 <sup>th</sup> Ed 2012, IS 5399:1969	0.1 to 5 mg/100gm
		Vitamin B3	AOAC (961.14) : 19 <sup>th</sup> Ed 2012, IS 5400:1969	0.5 to 20 mg/100gm
		Vitamin B12	AOAC (2011.10) : 19 <sup>th</sup> Ed 2012	10 to 200 µg/100 gm
		Vitamin C	AOAC (985.33, 967.21) : 19 <sup>th</sup> Ed 2012, IS 5838:1970	0.1 to 10mg/100 gm 10 to 50 mg/100 gm 50 to 150mg/100 gm
		Vitamin E	In house validated method EL/SOP/519, Issue No. 01, Dt. 30.07.2010, AOAC 989.09 : 19 <sup>th</sup> Ed 2012	100 to 200 mg/kg 200 mg/kg and above

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		<b>Pesticide residues</b>		
		<b>Organochlorine Pesticides</b>		
28.	<b>Fruits and vegetable products, Fruits and fruit products, Vegetables and vegetable products, Cereals and Pulses Tomato, Brinjal, Onions Cabbage, Bhendi, Grape, Mango, Apple, Pears, Oranges, Plums Pomergranate, Rice, Wheat, Corn</b>	Aldrin Dieldrin Chlordane trans Chlordane cis o,p DDT p,p DDT o,p DDE p,p DDE o,p DDD p,p DDD Endrin Methoxychlor Endosulphan I Endosulphan II Endosulphan sulphate Heptachlor Heptachlor epoxide Alpha HCH Beta HCH Gamma HCH Delta HCH Chlorthalonil Dicofol	In house validated method method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg

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	<b>Organophosphorous Pesticides</b>			
	Fenithrothion		In house validated method	0.01 to 5.0 mg/kg
	Parathion		EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
	Parathion methyl			0.01 to 5.0 mg/kg
	Malathion			0.01 to 5.0 mg/kg
	Phosphomidon			0.01 to 5.0 mg/kg
	Chlorfenvinphos			0.01 to 5.0 mg/kg
	Chlorpyriphos			0.01 to 5.0 mg/kg
	Ethion			0.01 to 5.0 mg/kg
	Phosalone			0.01 to 5.0 mg/kg
	Atrazine			0.01 to 5.0 mg/kg
	Fenthion			0.01 to 5.0 mg/kg
	Fenvalarate		In house validated method	0.01 to 5.0 mg/kg
	Phorate		EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
	Phorate Sulphone			0.01 to 5.0 mg/kg
	Phorate Sulphoxide			0.01 to 5.0 mg/kg
	Alachlor			0.01 to 5.0 mg/kg
	Profenophos			0.01 to 5.0 mg/kg
	Phenthoate			0.01 to 5.0 mg/kg
	4 - bromo - 2 chlorophenol			0.01 to 5.0 mg/kg
	Acephate			0.01 to 5.0 mg/kg
	Chlorpyrifos methyl			0.01 to 5.0 mg/kg
	Diazinon			0.01 to 5.0 mg/kg
	Dichlorvos			0.01 to 5.0 mg/kg
	Dimethoate			0.01 to 5.0 mg/kg
	Edifenphos			0.01 to 5.0 mg/kg
	Etrimfos			0.01 to 5.0 mg/kg
	Fenthion sulfoxide and sulfone			0.01 to 5.0 mg/kg
	Glufosinate ammonium			0.01 to 5.0 mg/kg
	Glyphosate			0.01 to 5.0 mg/kg

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		Iprobenphos		0.01 to 5.0 mg/kg
		Malaxon		0.01 to 5.0 mg/kg
		Methamidophos		0.01 to 5.0 mg/kg
		Monocrotophos		0.01 to 5.0 mg/kg
		Omethoate		0.01 to 5.0 mg/kg
		Oxydemeton methyl		0.01 to 5.0 mg/kg
		Demeton S methyl sulfone		0.01 to 5.0 mg/kg
		Paraoxon methyl		0.01 to 5.0 mg/kg
		Pirimiphos methyl		0.01 to 5.0 mg/kg
		Propetamphos		0.01 to 5.0 mg/kg
		Quinalphos		0.01 to 5.0 mg/kg
		Temephos		0.01 to 5.0 mg/kg
		Thiometon		0.01 to 5.0 mg/kg
		Triazophos		0.01 to 5.0 mg/kg
		Propamocarb		0.01 to 5.0 mg/kg
		<b>Triazine</b>	In house validated method	
		Flufenzin	EL/SOP/520, Issue No. 01, Dt.	0.01 to 5.0 mg/kg
		Simazine	01.06.2010, based on AOAC	0.01 to 5.0 mg/kg
		<b>Pyrimidine</b>	2007.01, TNO	0.01 to 5.0 mg/kg
		Fenarimol		0.01 to 5.0 mg/kg
		<b>Synthetic Pyrethroids</b>		0.01 to 5.0 mg/kg
		Allethrin		0.01 to 5.0 mg/kg
		Bioallethrin		0.01 to 5.0 mg/kg
		Bifenthrin		0.01 to 5.0 mg/kg
		Cyfluthrin		0.01 to 5.0 mg/kg
		Cypermethrin		0.01 to 5.0 mg/kg
		Deltamethrin		0.01 to 5.0 mg/kg
		Ethofenprox		0.01 to 5.0 mg/kg
		Fenpropathin		0.01 to 5.0 mg/kg

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		Esfenvalerate		0.01 to 5.0 mg/kg
		Lambda cyhalothrin		0.01 to 5.0 mg/kg
		Permethrin I		0.01 to 5.0 mg/kg
		Permethrin II		0.01 to 5.0 mg/kg
		<i>tau</i> - Fluvalinate		0.01 to 5.0 mg/kg
		Transfluthrin		0.01 to 5.0 mg/kg
		<b>Acycloaminoacid Fungicide</b>		
		Benalaxyl		0.01 to 5.0 mg/kg
		Benalaxyl M		0.01 to 5.0 mg/kg
		Metalaxyl		0.01 to 5.0 mg/kg
		Metalaxyl M		0.01 to 5.0 mg/kg
		Oxycarboxin		0.01 to 5.0 mg/kg
		Propanil		0.01 to 5.0 mg/kg
		<b>Carbamate</b>		0.01 to 5.0 mg/kg
		Bendiocarb		0.01 to 5.0 mg/kg
		Benfuracarb		0.01 to 5.0 mg/kg
		Benomyl		0.01 to 5.0 mg/kg
		Carbaryl		0.01 to 5.0 mg/kg
		Carbofuran		0.01 to 5.0 mg/kg
		Carbosulfan		0.01 to 5.0 mg/kg
		Diazomet		0.01 to 5.0 mg/kg
		Fenobucarb	In house validated method	0.01 to 5.0 mg/kg
		Indoxacarb	EL/SOP/520, Issue No. 01, Dt.	0.01 to 5.0 mg/kg
		Iprovalicarb	01.06.2010, based on AOAC	0.01 to 5.0 mg/kg
		Methomyl	2007.01, TNO	0.01 to 5.0 mg/kg
		Propaxur		0.01 to 5.0 mg/kg
		Thiobencarb		0.01 to 5.0 mg/kg
		Thiodicarb		0.01 to 5.0 mg/kg

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		<b>Triazoles</b>		
		Bitertanol		0.01 to 5.0 mg/kg
		Difenconazole		0.01 to 5.0 mg/kg
		Flusilazole		0.01 to 5.0 mg/kg
		Hexaconazole		0.01 to 5.0 mg/kg
		Myclobutanil		0.01 to 5.0 mg/kg
		Paclobutrazole		0.01 to 5.0 mg/kg
		Penconazole		0.01 to 5.0 mg/kg
		Propicanazole		0.01 to 5.0 mg/kg
		Tebuconazole		0.01 to 5.0 mg/kg
		Tetraconazole		0.01 to 5.0 mg/kg
		Triadimefon		0.01 to 5.0 mg/kg
		Tridemol		0.01 to 5.0 mg/kg
		Cyazofamid		0.01 to 5.0 mg/kg
		<b>Imidazole</b>		
		Fenamidone		0.01 to 5.0 mg/kg
		<b>Oxazole</b>		
		Famoxadone		0.01 to 5.0 mg/kg
		<b>Phthalamide</b>		
		Captafol		0.01 to 5.0 mg/kg
		Captan		0.01 to 5.0 mg/kg
		<b>Benzimidazole</b>		
		Carbendazim		0.01 to 5.0 mg/kg
		Thophanate methyl		0.01 to 5.0 mg/kg
		<b>Nicotinoids</b>	In house validated method	0.01 to 5.0 mg/kg
		Acetamiprid	EL/SOP/520, Issue No. 01, Dt.	0.01 to 5.0 mg/kg
		Clothianidin	01.06.2010, based on AOAC	0.01 to 5.0 mg/kg
		Imidacloprid	2007.01, TNO	0.01 to 5.0 mg/kg
		Thiocloprid		0.01 to 5.0 mg/kg
		Thiomethoxam		0.01 to 5.0 mg/kg

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
	<b>Dinitrophenol</b> Dinocap		In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on Journal of AOAC international vol. 93, No. 6, 2010	0.01 to 5.0 mg/kg
	<b>Aliphatic nitrogen fungicide</b> Cymoxanil		In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
	<b>Morpholine</b> Dimethomorph Tridemorph			0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg
	<b>Substituted thiourea</b> Diafenthuron Diuron Iodosulfuron methyl Isoproturon Linuron Lufenuron Pencycuron			0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg
	<b>Benzoyl phenyl urea</b> Flufenoxuron			0.01 to 5.0 mg/kg
	<b>Strobilurin</b> Azoxystrobin Kresoxim methyl Pyraclostrobin Trifloxystrobin			0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg 0.01 to 5.0 mg/kg
	<b>Phenyl pyrazole</b> Chlorantraniliprole			0.01 to 5.0 mg/kg

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	<b>Pyrazole</b>		In house validated method	
	Fenprothion		EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
	<b>Nitrophenyl ether</b>			
	Oxyfluorfen			0.01 to 5.0 mg/kg
	<b>Dinitroaniline</b>			
	Pendimethalin			0.01 to 5.0 mg/kg
	Trifluralin			0.01 to 5.0 mg/kg
	<b>Anilide/acetanilidine and chloracetanilidine</b>			
	Butachlor			0.01 to 5.0 mg/kg
	Carboxin			0.01 to 5.0 mg/kg
	Flufenacet			0.01 to 5.0 mg/kg
	Metalochlor with S metalochlor			0.01 to 5.0 mg/kg
	Novaluron			0.01 to 5.0 mg/kg
	<b>Other pesticides</b>		In house validated method	
	1- Naphthyl acetic acid		EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on Journal of AOAC international vol. 94, No. 3, 2011, TNO	0.01 to 5.0 mg/kg
	2,4 D			0.01 to 5.0 mg/kg
	6 - Benzyl adenine			0.01 to 5.0 mg/kg
	Azadirachtin			0.01 to 5.0 mg/kg
	Chloramquat			0.01 to 5.0 mg/kg
	Homobrossinolide			0.01 to 5.0 mg/kg
	Diquat			0.01 to 5.0 mg/kg
	Ethephon			0.01 to 5.0 mg/kg
	Gibberilic acid			0.01 to 5.0 mg/kg
	Mepiquat			0.01 to 5.0 mg/kg
	Paraquat			0.01 to 5.0 mg/kg
	Uracil			0.01 to 5.0 mg/kg
	4 - CPA			0.01 to 5.0 mg/kg
	Fosetyl Al			1.0 to 100 mg/kg

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		Hydrogen cyanamide	In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on Analytical letter Vol. 37, No. 9, PP 1981 to 1989	0.5 to 100.0 mg/kg
		Sulphur	In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on 184 B BASF, Agriculture research station limburgerhof, J. Elzner	1.0 to 100 mg/kg
		Abamectin	In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
		Bifenazate		0.01 to 5.0 mg/kg
		Buprofezin		0.01 to 5.0 mg/kg
		Cartap hydrochloride		0.01 to 5.0 mg/kg
		Chlorfenapyr		0.01 to 5.0 mg/kg
		Diflubenzuron		0.01 to 5.0 mg/kg
		Dithianone		0.01 to 5.0 mg/kg
		Dodine		0.01 to 5.0 mg/kg
		Emamectine benzoate		0.01 to 5.0 mg/kg
		Fenazaquin		0.01 to 5.0 mg/kg
		Flubendiamide		0.01 to 5.0 mg/kg
		4 Chlorfenuron		0.01 to 5.0 mg/kg

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	Hexythiazox		In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
	Isoprothiolone			0.01 to 5.0 mg/kg
	Mandipropamid			0.01 to 5.0 mg/kg
	Metribuzin			0.01 to 5.0 mg/kg
	Milbemectin			0.01 to 5.0 mg/kg
	Oxadiazon			0.01 to 5.0 mg/kg
	Propargite			0.01 to 5.0 mg/kg
	Pyriproxyfen			0.01 to 5.0 mg/kg
	Spinosad			0.01 to 5.0 mg/kg
	Spiromasifen			0.01 to 5.0 mg/kg
	Trichlorfon			0.01 to 5.0 mg/kg
	Tricyclazole			0.01 to 5.0 mg/kg
	Ametoctradin			In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on AOAC 2007.01, TNO
	Fonicamid		0.01 to 5.0 mg/kg	
	Pyridaben		0.01 to 5.0 mg/kg	
	Spirodiclofen		0.01 to 5.0 mg/kg	
	Dinotefuran		0.01 to 5.0 mg/kg	
	Iprodione		0.01 to 100 mg/kg	
	<b>Phenyl pyrazole</b>			
	Fipronil and fipronil sulfone			0.0025 to 0.1 mg/kg

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		<b>Dithiocarbamates as CS<sub>2</sub></b>	In house validated method EL/SOP/520, Issue No. 01, Dt. 01.06.2010, based on Acta Chim. Slov. 2006, 53, 100 to 104	0.1 to 10 mg/kg
		<b>Pesticide Residues</b>		
<b>29.</b>	<b>Milk and Milk products</b>	o,p DDT	In house Validated Method EL/SOP/521 based on AOAC 2007.01, TNO	0.01 to 5.0 mg/kg
		p,p DDT		0.01 to 5.0 mg/kg
		o,p DDE		0.01 to 5.0 mg/kg
		p,p DDE		0.01 to 5.0 mg/kg
		o,p DDD		0.01 to 5.0 mg/kg
		p,p DDD		0.01 to 5.0 mg/kg
		Alpha HCH		0.01 to 5.0 mg/kg
		Beta HCH		0.01 to 5.0 mg/kg
		Delta HCH		0.01 to 5.0 mg/kg
		Chlorthalonil		0.01 to 5.0 mg/kg
		Endosulfan alpha		0.01 to 5.0 mg/kg
		Endosulfan beta		0.01 to 5.0 mg/kg
		Endosulfan sulphate		0.01 to 5.0 mg/kg
		Methoxychlor		0.01 to 5.0 mg/kg
		Fenithrothion		0.01 to 5.0 mg/kg
		Malathion		0.01 to 5.0 mg/kg
		Phosphomidon		0.01 to 5.0 mg/kg
		Chlorfenvinphos	0.01 to 5.0 mg/kg	
		Chlorpyrifos	0.01 to 5.0 mg/kg	
		Ethion	0.01 to 5.0 mg/kg	
		Phosalone	0.01 to 5.0 mg/kg	
		Atrazine	0.01 to 5.0 mg/kg	

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	Fenthion		In house Validated Method	0.01 to 5.0 mg/kg
	Fenvalarate		EL/SOP/521 based on AOAC	0.01 to 5.0 mg/kg
	Phorate		2007.01, TNO	0.01 to 5.0 mg/kg
	Alachlor			0.01 to 5.0 mg/kg
	Iprodione			0.01 to 5.0 mg/kg
	Profenophos			0.01 to 5.0 mg/kg
	Phenthoate			0.01 to 5.0 mg/kg
	Diazinon			0.01 to 5.0 mg/kg
	Dichlorovos			0.01 to 5.0 mg/kg
	Fenthion sulfone			0.01 to 5.0 mg/kg
	Fenthion sulfoxide			0.01 to 5.0 mg/kg
	Malaoxon			0.01 to 5.0 mg/kg
	Parathion methyl			0.01 to 5.0 mg/kg
	Paraoxon methyl			0.01 to 5.0 mg/kg
	2,4 D			0.01 to 5.0 mg/kg
	Monocrotophos			0.01 to 5.0 mg/kg
	Trichlorfon		In house validated method	0.01 to 5.0 mg/kg
	Benomyl		EL/SOP/521, Issue No. 01, Dt.	0.01 to 5.0 mg/kg
	Carbendazim		01.06.2010, based on AOAC	0.01 to 5.0 mg/kg
	Carbofuran		2007.01, TNO	0.01 to 5.0 mg/kg
	Edifenphos			0.01 to 5.0 mg/kg
	Pirimiphos methyl			0.01 to 5.0 mg/kg
	Paraquat			0.01 to 5.0 mg/kg
	Cypermethrin			0.01 to 5.0 mg/kg
	Aldrin			0.001 to 0.1 mg/kg
	Dieldrin			0.001 to 0.1 mg/kg
	Chlordane (cis, trans)			0.001 to 0.1 mg/kg
	Heptachlor & Heptachlor epoxide			0.001 to 0.1 mg/kg
	Gamma HCH			0.001 to 0.1 mg/kg

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<b>30.</b>	<b>Honey and Honey Products</b>	<b>Organochlorine pesticides (including PCBs)</b>	In house validated method based on AOAC 2007.01 EL/SOP/526, Issue No. 01, Dt. 20.03.2012	
		Aldrin		0.01 to 5.0 mg/kg
		Dieldrin		0.01 to 5.0 mg/kg
		Chlorbenzilate		0.01 to 5.0 mg/kg
		o,p DDT		0.01 to 5.0 mg/kg
		p,p DDT		0.01 to 5.0 mg/kg
		o,p DDE		0.01 to 5.0 mg/kg
		p,p DDE		0.01 to 5.0 mg/kg
		o,p DDD		0.01 to 5.0 mg/kg
		p,p DDD		0.01 to 5.0 mg/kg
		Lindane		0.01 to 5.0 mg/kg
		Endosulfan alpha		0.01 to 5.0 mg/kg
		Endosulfan beta		0.01 to 5.0 mg/kg
		Endosulfan sulphate		0.01 to 5.0 mg/kg
		Heptachlor		0.01 to 5.0 mg/kg
		Heptachlor epoxide		0.01 to 5.0 mg/kg
		Vinclozolin		0.01 to 5.0 mg/kg
		<b>Pyrethroids</b>		
		Cypermethrin		0.01 to 5.0 mg/kg
		Deltamethrin		0.01 to 5.0 mg/kg
		Fenvalerate		0.01 to 5.0 mg/kg
		Permethrin		0.01 to 5.0 mg/kg
		<b>Carbamates</b>		0.005 to 5 mg/kg
		Carbaryl		0.005 to 5 mg/kg
		Carbofuran		0.005 to 5 mg/kg
		Propoxure		0.005 to 5 mg/kg

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		<b>Organophosphorus Pesticides</b>	In house validated method based on AOAC 2007.01	
		Coumaphos	EL/SOP/526, Issue No. 01, Dt. 20.03.2012	0.005 to 5 mg/kg
		Malathion		0.005 to 5 mg/kg
		Malaaxon		0.005 to 5 mg/kg
		Phosalone		0.005 to 5 mg/kg
		Amitraz		0.005 to 5 mg/kg
		AlphaHCH		0.005 to 5 mg/kg
		Beta HCH		0.005 to 5 mg/kg
		Hexachlorobenzene		0.005 to 5 mg/kg
		Cyfluthrin		0.005 to 5 mg/kg
		Cyhalothrin		0.005 to 5 mg/kg
		<b>Pesticide Residues</b>		
<b>31.</b>	<b>Fish &amp; Fish Products</b>	Aldrin	In house validated method based on AOAC 2007.01	0.01 to 5 mg/kg
		Alpha HCH	Method, TNO	0.01 to 5 mg/kg
		Beta HCH	EL/SOP/553, Issue No. 01, Dt. 21.04.2014	0.01 to 5 mg/kg
		Gamma HCH		0.01 to 5 mg/kg
		Delta HCH		0.01 to 5 mg/kg
		Carbaryl,		0.01 to 5 mg/kg
		Cis Chlordane		0.01 to 5 mg/kg
		Trans Chlordane		0.01 to 5 mg/kg
		o,p DDT		0.01 to 5 mg/kg
		p,p DDT		0.01 to 5 mg/kg
		o,p DDE		0.01 to 5 mg/kg
		p,p DDE		0.01 to 5 mg/kg
		o,p DDD		0.01 to 5 mg/kg
		p,p DDD		0.01 to 5 mg/kg
		Dieldrin		0.01 to 5 mg/kg
		Endosulfan alpha		0.01 to 5 mg/kg
		Endosulfan beta		0.01 to 5 mg/kg

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		Endosulfan sulphate	In house validated method based on AOAC 2007.01 Method, TNO EL/SOP/553, Issue No. 01, Dt. 21.04.2014	0.01 to 5 mg/kg
		Endrin		0.01 to 5 mg/kg
		Heptachlor		0.01 to 5 mg/kg
		Heptachlor endo epoxide		0.01 to 5 mg/kg
		Heptachlor exo epoxide		0.01 to 5 mg/kg
		Hexachloro benzene		0.01 to 5 mg/kg
		Quinalphos		0.01 to 5 mg/kg
		2 Chlorobiphenyl		0.01 to 5 mg/kg
		2,2 Dichlorobiphenyl		0.01 to 5 mg/kg
		2,2',5 Trichlorobiphenyl		0.01 to 5 mg/kg
		2,4',5 Trichlorobiphenyl		0.01 to 5 mg/kg
		2,2',5,5' Tetrachlorobiphenyl		0.01 to 5 mg/kg
		2,2',3,5' Tetrachlorobiphenyl		0.01 to 5 mg/kg
		2,3',4,4' Tetrachlorobiphenyl		0.01 to 5 mg/kg
		2,2',4,5,5' Pentachlorobiphenyl		0.01 to 5 mg/kg
		2,2',3,4,5'		0.01 to 5 mg/kg
		Pentachlorobiphenyl		
		2,3,3',4',6		0.01 to 5 mg/kg
		Pentachlorobiphenyl		
		2,2',3,5,5',6		0.01 to 5 mg/kg
		Hexachlorobiphenyl		
		2,2',4,4',5,5'	0.01 to 5 mg/kg	
		Hexachlorobiphenyl		
		2,2',3,4,5,5'	0.01 to 5 mg/kg	
		Hexachlorobiphenyl		
		2,2',3,4,4',5'	0.01 to 5 mg/kg	
		Hexachlorobiphenyl		

<b>Laboratory</b>	<b>Envirocare Labs Pvt. Ltd., A-7, Enviro House, MIDC, Wagle Estate, Main Road, Thane, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>23.12.2014</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		2,2',3,4',5,5',6 Heptachlorobiphenyl	In house validated method based on AOAC 2007.01 Method, TNO	0.01 to 5 mg/kg
		2,2',3,4,4',5',6 Heptachlorobiphenyl	EL/SOP/553, Issue No. 01, Dt. 21.04.2014	0.01 to 5 mg/kg
		2,2',3,4,4',5,5' Heptachlorobiphenyl		0.01 to 5 mg/kg
		2,2',3,3',4,4',5 Heptachlorobiphenyl		0.01 to 5 mg/kg
		2,2',3,3',4,4',5,5',6 Nonachlorobiphenyl		0.01 to 5 mg/kg
		<b>Veterinary Drug Residues</b>		
<b>32.</b>	<b>Milk and milk products</b>	<b>Sulfonamides</b>	In house validated Method	0.01 to 1mg/kg
		Sulfadimidine	EL/SOP/527, Issue No. 01, Dt. 02.05.2011	0.01 to 1mg/kg
		Sulfadizine		0.01 to 1mg/kg
		Sulfadimethoxin		0.01 to 1mg/kg
		Sulfadoxin		0.01 to 1mg/kg
		Sulfamethazin		0.01 to 1mg/kg
		Sulfanilamide		0.01 to 1mg/kg
		Sulfamerazin		0.01 to 1mg/kg
		Sulfamethoxy pyridazin		0.01 to 1mg/kg
		Sulfathiazol		0.01 to 1mg/kg
		Sulfamethiazole		0.01 to 1mg/kg
		<b>Tetracyclines</b>		
		Chlortetracycline		0.01 to 1mg/kg
		Doxycycline		0.01 to 1mg/kg
		Oxytetracycline		0.01 to 1mg/kg
		Tetracycline		0.01 to 1mg/kg
		Epi - Chlortetracyclin		0.01 to 1mg/kg
		Epi - Oxytetracyclin		0.01 to 1mg/kg
		Epi - tetracyclin		0.01 to 1mg/kg

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**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 23.12.2014

**Certificate Number** T-1204 **Valid Until** 22.12.2016

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
		Trimethoprim	In house validated Method EL/SOP/527, Issue No. 01, Dt. 02.05.2011	0.025 to 0.5 mg/kg	
		Chloramphenicol		0.0002 to 0.005 mg/kg	
		Metronidazole		0.0008 to 0.01mg/kg	
		Ronidazole		0.0008 to 0.01mg/kg	
		Spiromycin		0.08 to 1mg/kg	
		Thiamphenicol		0.01 to 0.5mg/kg	
		Tilmicosin		0.01 to 0.5mg/kg	
		Tylosin A		0.01 to 0.5mg/kg	
		Albendazol		0.008 to 1mg/kg	
		Febendazole		0.008 to 0.1mg/kg	
		Morantel		0.01 to 0.5mg/kg	
		<b>Aminoglycosides</b>		In house validated Method EL/SOP/527, Issue No. 01, Dt. 02.05.2011	
		Dihydrostreptomycin			0.05 to 1mg/kg
		Streptomycin			0.05 to 1mg/kg
		Gentamycin	0.05 to 1mg/kg		
		Kanamycin A	0.10 to 2mg/kg		
		Neomycin B,	1.0 to 15mg/kg		
		Spectinomycin	0.1 to 2mg/kg		
		Ivermectin	0.008 to 0.1mg/kg		
		Enrofloxacin	0.025 to 0.5mg/kg		
		Ciprofloxacin	0.025 to 0.5mg/kg		
		Erythromycin A	0.01 to 0.4mg/kg		
		Aminohydantoin (AHD)	0.0005 to 0.01mg/kg		
		3 Amino 5 morpholino methyl 2 oxazolidinone (AMOZ)	0.0005 to 0.01mg/kg		
		Amino oxazolidinone (AOZ)	0.0005 to 0.01mg/kg		
		Semicarbazide (SEM)	0.0005 to 0.01mg/kg		
		Phenyl Butazone	0.005 to 0.1mg/kg		

<b>Laboratory</b>	<b>Envirocare Labs Pvt. Ltd., A-7, Enviro House, MIDC, Wagle Estate, Main Road, Thane, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>23.12.2014</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>	
<b>33.</b>	<b>Honey and Honey Products</b>	<b>Veterinary drug residues</b>			
		<b>Sulfonamides</b>	In house validated Method EL/SOP/528, Issue No. 01, Dt. 02.05.2012		
		Sulfadimidine		0.005 to 1mg/kg	
		Sulfadizine		0.005 to 1mg/kg	
		Sulfadimethoxine		0.005 to 1mg/kg	
		Sulfadoxine		0.005 to 1mg/kg	
		Sulfamethazine		0.005 to 1mg/kg	
		Sulfanilamide		0.005 to 1mg/kg	
		Sulfamerazine		0.005 to 1mg/kg	
		Sulfamethoxy pyridazin		0.005 to 1mg/kg	
		Sulfathiazole		0.005 to 1mg/kg	
		Sulfamethizol		0.005 to 1mg/kg	
		<b>Tetracyclines</b>		In house validated Method EL/SOP/528, Issue No. 01, Dt. 02.05.2012	
		Chlortetracycline			0.005 to 1mg/kg
		Doxycycline	0.005 to 1mg/kg		
		Oxytetracycline	0.005 to 1mg/kg		
		Tetracycline	0.005 to 1mg/kg		
		Epi - Chlortetracyclin	0.005 to 1mg/kg		
		Epi - Oxytetracyclin	0.005 to 1mg/kg		
		Epi - tetracyclin	0.005 to 1mg/kg		
		Trimethoprim	0.005 to 1.0 mg/kg		
		Chloramphenicol	0.0002 to 0.005 mg/kg		
		Metronidazole	0.0008 to 0.01 mg/kg		
		Tylosin A	0.001 to 0.5 mg/kg		
		<b>Aminoglycosides</b>			
		Dihydrostreptomycin		0.05 to 1mg/kg	
		Streptomycin		0.05 to 1mg/kg	

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Aminohydantoin (AHD)	In house validated Method	0.0005 to 0.01mg/kg
		3 - Amino 5 morpholino methyl - 2 - oxazolidinone (AMOZ)	EL/SOP/528, Issue No. 01, Dt. 02.05.2012	0.0005 to 0.01mg/kg
		Amino oxazolidinone (AOZ)		0.0005 to 0.01mg/kg
		Semicarbazide (SEM)		0.0005 to 0.01mg/kg
		<b>Veterinary Drug Residues</b>		
<b>34.</b>	<b>Fish &amp; Fish Products</b>	Chloramphenicol	In house validated Method	0.00025 to 0.005mg/kg
		<b>Nitrofurans</b>	EL/SOP/554, Issue No. 01, Dt. 13.04.2014	0.0005 to 0.01mg/kg
		AMOZ		0.0005 to 0.01mg/kg
		AHD		0.0005 to 0.01mg/kg
		AOZ		0.0005 to 0.01mg/kg
		SEM		0.0005 to 0.01mg/kg
		<b>Tetracyclines</b>		0.005 to 1.0mg/kg
		Chlortetracycline		0.005 to 1.0mg/kg
		Oxolinic Acid		0.005 to 1.0mg/kg
		Oxytetracycline		0.005 to 1.0mg/kg
		Tetracycline		0.005 to 1.0mg/kg
		Epi Chlortetracyclin		0.005 to 1.0mg/kg
		Epi Oxytetracyclin		0.005 to 1.0mg/kg
		Epi tetracycline		0.005 to 1.0mg/kg
		<b>Sulfonamides</b>		
		Sulfapyridine		0.005 to 1.0mg/kg
		Sulfadiazine		0.005 to 1.0mg/kg
		Sulfathiazole		0.005 to 1.0mg/kg
		Sulfamerazin		0.005 to 1.0mg/kg
		Sulfamethizole		0.005 to 1.0mg/kg
		Sulfamethazin		0.005 to 1.0mg/kg
		Sulfamethoxy pyridazine		0.005 to 1.0mg/kg

<b>Laboratory</b>	<b>Envirocare Labs Pvt. Ltd., A-7, Enviro House, MIDC, Wagle Estate, Main Road, Thane, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>23.12.2014</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
		Sulphamethaxazole	In house validated Method	0.005 to 1.0mg/kg
		Sulfadoxin	EL/SOP/554, Issue No. 01, Dt. 13.04.2014	0.005 to 1.0mg/kg
		Sulphadimethoxine		0.005 to 1.0mg/kg
		Sulfachloropyridazine		0.005 to 1.0mg/kg
		Metronidazole		0.0025 to 0.01 mg/kg
		Dimetridazole		0.0025 to 0.01 mg/kg
		Ronidazole		0.0025 to 0.01 mg/kg
<b>35.</b>	<b>Dyes</b> Fish & Fish Products	Malachite Green Leuco Malachite Green	In house validated Method EL/SOP/555, Issue No. 01, Dt. 20.07.2014	0.001 to 1.0 mg/kg 0.001 to 1.0 mg/kg
<b>VI. INDUSTRIAL &amp; FINE CHEMICALS, SPECIALTY CHEMICALS</b>				
<b>1.</b>	<b>Specialty chemicals, Dyes, Pigments, Inks, Auxiliaries, Drilling fluids &amp; Drilling mud</b>	NPEO as Nonyl phenol  OPEO as Octyl phenol	In house method (EL/SOP/701, Issue No. 01, Dt. 25.04.2009, HPLC)	2 to 20 ppm, 20 to 50 ppm, 50 ppm & above  2 to 20 ppm, 20 to 50 ppm, 50 ppm & above
		<b>Metals</b>		
		Barium as Ba	EPA SW 6010 B APHA 3120	0.5 to 10 mg/kg and above
		Cadmium as Cd		0.5 to 10 mg/kg and above
		Chromium as Cr		0.5 to 10 mg/kg and above
		Cobalt as Co		0.5 to 10 mg/kg and above
		Copper as Cu		0.5 to 10 mg/kg and above

