

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	1 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. TEXTILE AND TEXTILE AUXILIARIES				
1.	Textiles and Textile Accessories	Colour Fastness to : -		
		a) Domestic & Commercial Washing / Laundering	ISO 105 CO6 : 2010 AATCC 61: 2013 IS 13025 : 1991 (RA 2008)	Grade 1 to 5
		b) Crocking / Rubbing	AATCC 8 : 2013 ISO 105 X12 : 2001 IS 766 : 1988 (RA 2009)	Grade 1 to 5
		c) Perspiration	ISO 105 E04 : 2013 AATCC 15:2013 IS 971:1983 (RA 2009)	Grade 1 to 5
		d) Artificial Saliva	DIN 53160-1-2010	Grade 1 to 5
		e) Water	AATCC 107: 2013 ISO 105 EO1: 2013 IS 767:1988 (RA 2009)	Grade 1 to 5
		f) Dry Cleaning	AATCC 132:2013 ISO 105 D01: 2010 IS 4802:1988 (RA 2004)	Grade 1 to 5
		g) Bleaching - Hypochlorite	ISO 105 NO1: 1993 IS 762 : 1988 (RA 2009)	Grade 1 to 5
		h) Bleaching - with Peroxide	AATCC 101:2013 ISO 105 NO2: 1993 IS 763:1988 (RA 2009)	Grade 1 to 5

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	2 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles and Textile Accessories	i) Chlorinated Pool Water	ISO 105 EO3: 2010	Grade 1 to 5
		j) Light (Xenon Arc)	AATCC 16.3-2013 ISO 105 BO2:2013 IS 2454 : 1985 (RA 2005)	Grade 1 to 5 B. W Rating 1 to 8
		Dimensional Stability to Washing	AATCC 135 : 2012 AATCC 150 : 2012 ISO 6330 : 2012/ ISO 3759:2011 ISO 5077:2007	± (0 to 25) %
		Visual Appearance after Washing / Home Laundering	TTI/IHM-016:2012 (In-house Method)	Grade 1 to 5
		Skewness Change in Fabric and Garment: Twist Resulting from Automatic Home Laundering	AATCC 179-2012	± (0 to 50) %
		Spirality after Laundering – i) Woven and Knitted Fabrics ii) Woven and Knitted Garments	ISO 16322-2:2005/Cor 1 : 2007 ISO 16322-3:2005	(0 to 50) %
		Smoothness Appearance of Fabrics after Washing/Home Laundering	AATCC 124-2011	Grade 1 to 5

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	3 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles and Textile Accessories	Appearance of Apparel and other Textile End-products after Washing/Home Laundering : Flat Fabrics and Seams	ISO 15487:2009 AATCC 143-2011	Grade 1 to 5 Grade 1 to 5
		Identification of Fibres	AATCC 20 :2013 IS 667 :1981 (RA 2008) IS 667: 1981 (Supplement)	Qualitative
		% Fiber Composition (Binary mixture of polyester with cotton & regenerated cellulose)	AATCC 20 A :2013 ISO 1833 -1: 2006/Cor 1 2009 & ISO 1833 – 11 :2006 IS 3416 -1 :1988 (RA 2008)	(2 to 100) %
		% Fiber Composition by Physical Separation	AATCC 20 A :2013 ISO 1833-1: 2006/Cor 1 2009 Annexure – B	
		pH of Aqueous Extract	AATCC 81 : 2012 ISO 3071:2005 IS 1390:1983 (RA 2009)	1 to 14
		Presence of Forbidden Fire Retardants:- Hexa bromo biphenyl	TTI/IHM – A-01 : 2012 (In-house Method)	Present/Absent
		Tris (Aziri Diny) Phoshin Oxide (TEPA)	TTI/IHM – A-01 : 2012 (In-house Method)	(0.5 to 100) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	4 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles and Textile Accessories	Total Lead in Children products – Metallic	CPSC-CH-E 1001-08.1 June 21, 2010	(1.0 to 1000) mg/kg
		Total Lead in Children products -Non Metallic	CPSC-CH-E-1002-08.1 June 21, 2010	(1.0 to 1000) mg/kg
		Total Lead in Paint & Other Surface Coating	ASTM E 1645-01(2007) & ASTM E 1613-12 CPSC-CH-E 1003-09.1 Feb. 25, 2011 16 CFR 1303: November 2011	(1.0 to 1000) mg/kg
		Release of Nickel	BS EN 1811 : 2011	(0.02 to 50) µg/cm ² / Week
		Surface Flammability of Carpets & Rugs (Charred Portion)	16 CFR 1630 :August 2002	(0 to 20.3) cm
		Surface Flammability of Small Carpets & Rugs (Charred Portion)	16 CFR 1631 :August 2002	(0 to 20.3) cm
		Inclined Flammability of apparel textiles	16 CFR 1610 : 2014	(0.1 to 999) seconds
		Determination of Free and Hydrolysed Formaldehyde	ISO 14184 – 1 : 2011	(16 to 1000) mg/kg
		Released Formaldehyde	AATCC 112 : 2008 ISO 14184 – 2 – 2011	(20 to 1000) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	5 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles and Textile Accessories	Metal Content (Total Metal Content) :- Antimony Arsenic Barium Cadmium Chromium Cobalt Copper Lead Nickel Selenium Mercury	ISO 17072-2:2011 [Total Digestion - Acid Digestion – Analysis by AAS based on ASTM E 1645–01(2007) BSEN 1122:2001 & EN 1810:1998]	(0.1 to 500) mg/kg
		Metal Content (Extractable Metals) :- Antimony Arsenic Barium Cadmium Chromium Cobalt Copper Lead Nickel Selenium Mercury	ISO 17072 – 1 : 2011 [Acid Sweat solution (ISO 105 EO4: 2008) extract – Analysis by AAS, ASTM E 1613-12]	(0.1 to 500) mg/kg
				(0.01 to 50) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	6 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles and Textile Accessories	Pentachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,4,5-Tetrachlorophenol Pentachlorophenol Orthophenylphenol	TTI/IHM/A-19:2013 (Ref: DIN EN ISO 17070:2007) TTI/IHM/A-21A:2013	(0.05 to 100) mg/kg
		Dimethyl Fumerate (DMFu)	TTI/IHM/A-22 : 2013 (In-house Method) ISO/TS 16186:2012	(0.01 to 100) mg/kg
		Navy Blue	TTI/IHM/A-27 : 2013 (In-house Method) BSEN ISO 16373-2:2012 Dyestuff (Draft)	(5 to 1500) mg /kg
		Carcinogenic Dyes: Acid Red 26, Basic Red 9, Basic Violet 14, Direct Black 38, Direct Blue 6, Direct Red 28, Disperse Blue 1, Disperse Orange 11, Disperse Yellow 3	DIN 54231:2005 BSEN ISO 16373-2:2012 Dyestuff (Draft)	(1 to 100) mg /kg
2.	Textile Accessories Containing Plastics	Determination of Cadmium by Wet decomposition	BS EN 1122: 2001	(1.0 to 1000) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	7 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Textiles and Textile Accessories (Metallic and Non-Metallic)	Aromatic Amines derived from Azo colorants:- 1. 4-Aminobiphenyl 2. Benzidine 3. 4-Chloro-o-toluidine 4. 2-Naphthylamine 5. O-Aminoazotoluene 6. 2-Amino-4-nitrotoluene 7. p-Chloroaniline 8. 2,4-Diaminoanisole 9. 4,4'- Diaminobiphenylmethane 10. 3,3'-Dichlorobenzidine 11. 3,3'-Dimethoxybenzidine 12. 3,3'-Dimethylbenzidine 13. 3,3'-Dimethyl - 4,4'- diaminobiphenylmethane 14. p-Kresidin 15. 4,4' Methylene-bis - (2-Chloroaniline) 16. 4,4' -Oxydianiline 17. 4,4' -Thiodianiline 18. O-Toluidine 19. 2,4-Toluyldiamine 20. 2,4,5-Trimethylaniline 21. o-Anisidine 22. 2,4 -Xylidine 23. 2,6 -Xylidine 24. 4-Aminoazobenzene	EN 14362-1:2012 EN 14362-3:2012	(5 to 1000) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	8 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
4.	Textiles & Textile articles (Children toys & children articles)	Phthalates :- Dibutyl Phthalate (DBP) Benzyl butyl Phthalate (BBP) BIS 2-Ethyl hexyl Phthalate (DEHP) Di-N-Octyl Phthalate (DNOP) Diiso nonyl Phthalate (DINP) Diiso decyl Phthalate (DIDP) Diisoheptyl Phthalate Diisobutyl Phthalate Di-N-Hexyl Phthalate Bis-2 methoxyethyl Phthalate	BS EN 15777:2009 CPSC-CH-C1001-09.3 April 1, 2010	(20 to 1500) mg/kg
II. LEATHER				
1.	Leather & Leather Accessories	Colour Fastness to Crocking / Rubbing	AATCC 8 : 2007 ISO 105 X12 : 2001	Grade 1 to 5
		Colour Fastness to Perspiration	ISO 105 E04 : 2013 AATCC 15:2009	Grade 1 to 5
		Colour Fastness to Dry Cleaning	AATCC 132:2009 ISO 105 D01: 2010	Grade 1 to 5
		Colour Fastness to Light (Xenon Arc)	AATCC 16.3-2012 ISO 105 BO2:2013	Grade 1 to 5 B. W Rating 1 to 8
		Presence of Forbidden Fire Retardants:- Hexa bromo biphenyl	TTI/IHM – A-01 : 2012 (In-house Method)	Present/Absent

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	9 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Leather & Leather Accessories	Tris (Aziri Dinyl) Phoshin Oxide (TEPA)	TTI/IHM – A-01 : 2012 (In-house Method)	(0.5 to 100) mg/kg
2.	Leather Accessories Containing Plastics	Determination of Cadmium by Wet decomposition	BS EN 1122: 2001	(1.0 to 1000) mg/kg
3.	Leather and Leather Accessories (Metallic / Non-Metallic)	Aromatic Amines derived from Azo colorants:- 1. 4-Aminobiphenyl 2. Benzidine 3. 4-Chloro-o-toluidine 4. 2-Naphthylamine 5. O-Aminoazotoluene 6. 2-Amino-4-nitrotoluene 7. p-Chloroaniline 8. 2,4-Diaminoanisole 9. 4,4'- Diaminobiphenylmethane 10. 3,3'-Dichlorobenzidine 11. 3,3'-Dimethoxybenzidine 12. 3,3'-Dimethylbenzidine 13. 3,3'-Dimethyl - 4,4'- diaminobiphenylmethane 14. p-Kresidin 15. 4,4' Methylene-bis- (2-Chloroaniline)	ISO 17234-1:2010 EN 14362-3:2012	(5 to 1000) mg/kg

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 10 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Leather and Leather Accessories (Metallic / Non-Metallic)	16. 4,4' -Oxydianiline	ISO 17234-1:2010	(5 to 1000) mg/kg
		17. 4,4' -Thiodianiline	EN 14362-3:2012	
		18. O-Toluidine		
		19. 2,4-Toluyldiamine		
		20. 2,4,5-Trimethylaniline		
		21. o-Anisidine		
		22. 2,4 -Xylidine		
		23. 2,6 -Xylidine		
		24. 4-Aminoazobenzene		
		Total Lead in Children products – Metallic	CPSC-CH-E 1001-08.1 June 21, 2010	
	Total Lead in Children products - Non Metallic	CPSC-CH-E-1002-08.1 June 21, 2010	(1.0 to 1000) mg/kg	
	Total Lead in Paint & Other Surface Coating	ASTM E 1645-01(2007) & ASTM E 1613-12 CPSC-CH-E 1003-09.1 Feb. 25, 2011 16 CFR 1303: November 2011	(1.0 to 1000) mg/kg	
	Release of Nickel	BS EN 1811 : 2011	(0.02 to 50) µg/cm ² / Week	

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	11 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
4.	Leather & Leather articles (Children toys & children articles)	Phthalates :- Dibutyl Phthalate (DBP) Benzyl butyl Phthalate (BBP) Bis- 2-Ethyl hexyl Phthalate (DEHP) Di-N-Octyl Phthalate (DNOP) Diiso nonyl Phthalate (DINP) Diiso decyl Phthalate (DIDP) Diisoheptyl Phthalate Diisobutyl Phthalate Di-N-Hexyl Phthalate Bis- 2 methoxyethyl Phthalate	BS EN 15777:2009 CPSC-CH-C1001-09.3, April 1, 2010	(20 to 1500) mg/kg
5.	Leather & Leather Products	Pentachlorophenol 2,3,5,6-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,4,5-Tetrachlorophenol Pentachlorophenol Orthophenylphenol Dimethyl Fumerate (DMFu) Navy Blue Volatile Matter (Moisture) of Leather by Oven Drying	DIN EN ISO 17070:2007 TTI/IHM/A-21B/2013 (Ref: DIN EN ISO 17070:2007) TTI/IHM/A-22 : 2013 (In-house Method) TTI/IHM/A-27:2013 (In-house Method) ASTM D 3790 : 79 (2012)	(0.05 to 100) mg/kg (0.01 to 100) mg /kg (5 to 1500) mg /kg (0.1 to 25) %

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	12 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Leather & Leather Products	Total Ash content	ASTM D 2617 : 2012	(0.1 to 25) %
		pH	ISO 4045: 2008	0.1 to 14
		Formaldehyde Content	ISO 17226-2 : 2008	(20 to 500) mg/kg
		Pentachlorophenol	DIN EN ISO 17070:2007	(0.05 to 100) mg/kg
		Chromium (VI) Content	ISO 17075 : 2007	(1.0 to 1000) mg/kg
		Release of Nickel	BS EN 1811 : 2011	(0.02 to 50) µg/cm ² / Week
		Metal Content (Total Metal Content) :-		
		Antimony	ISO 17072-2:2011	(0.1 to 500) mg/kg
		Arsenic		
		Barium		
	Cadmium			
	Chromium			
	Cobalt			
	Copper			
	Lead			
	Nickel			
	Selenium			
	Mercury		(0.01 to 50) mg/kg	

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 14 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	TOYS	Nickel Selenium Strontium Tin Organic Tin Zinc	EN 71 Part 3 : 2013	(0.1 to 500) mg/kg
IV.	WATER			
1.	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Colour	IS 3025 (Part 4) :1983 (RA 2006)	(1 to 25) Hazen
		Odour	IS 3025 (Part 5): 1983 (RA 2006)	Agreeable/ Disagreeable
		Taste	IS 3025 (Part 8): 1984 (RA 2006)	Agreeable/ Disagreeable
		Turbidity	IS 3025 (Part 10):1984 (RA 2006)	(0.5 to 40) NTU
		Total dissolved solids	IS 3025 (Part 16): 1984 (RA 2006)	(5 to 2000) mg/l
		pH	IS 3025 (Part 11):1983 (RA 2006)	1 to 14
		Barium	IS 15302:2003 (RA 2009)	(0.05 to 2.5) mg/l
		Copper	IS 3025 (Part 42):1992 (RA 2009)	(0.005 to 0.5) mg/l

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 15 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Iron	IS 3025 (Part 53):2003 (RA 2009)	(0.005 to 0.5) mg/l
		Manganese	IS 3025 (Part 59):2006 (RA 2012)	(0.01 to 1) mg/l
		Nitrate	IS 3025 (Part 34): 1988 (RA 2009)	(0.1 to 100) mg/l
		Nitrite	IS 3025 (Part 34): 1988 (RA 2009)	(0.002 to 1) mg/l
		Fluoride	IS 3025 (Part 60):2008	(0.1 to 10) mg/l
		Zinc	IS 3025 (Part 49):1994 (RA 2009)	(0.05 to 10) mg/l
		Silver	Annex J of IS 13428:2005	(0.005 to 0.05) mg/l
		Aluminum	IS 3025 (Part 55):2003 (RA 2009)	(0.01 to 0.3) mg/l
		Chloride	IS 3025 (Part 32):1988 (RA 2009)	(5 to 1000) mg/l
		Selenium	IS 15303:2003 (RA 2009)	(0.001 to 0.02) mg/l
	Sulphate	IS 3025 (Part 24):1986 (RA 2009)	(5 to 500) mg/l	

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	16 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Alkalinity	IS 3025 (Part 23) :1986 (RA 2009)	(5 to 1000) mg/l
		Calcium	IS 3025 (Part 40): 1991	(0.25 to 1000) mg/l
		Magnesium	IS 3025 (Part 46):1994 (RA 2009)	(0.1 to 500) mg/l
		Total Hardness	IS 3025 (Part 21):2009	(5 to 2000) mg/l
		Sodium	IS 3025 (Part 45):1993 (RA 2003)	(2 to 500) mg/l
		Residual Free Chlorine	IS 3025 (Part 26):1986 (RA 2009)	(0.1 to 50) mg/l
		Phenolic Compounds	IS 3025 (Part 43):1992 (RA 2009)	(0.001 to 1) mg/l
		Mineral Oil	IS 3025 (Part 39):1991 (RA 2009)	(0.01 to 1) mg/l
		Anionic Surface Active Agents	Annex K of IS 13428:2005 (RA 2009)	(0.1 to 0.5) mg/l
		Sulphide	IS 3025 (Part 29):1986 (RA 2009)	(0.02 to 0.25) mg/l
	Antimony	IS 15303:2003 (RA 2009)	(0.002 to 0.1) mg/l	

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 17 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Borates	Annex H of IS 13428:2005 (RA 2009)	(0.1 to 10) mg/l
		Mercury	IS 3025 (Part 48):1994 (RA 2009)	(0.001 to 0.1) mg/l
		Cadmium	IS 3025 (Part 41):1992 (RA 2009)	(0.002 to 0.1) mg/l
		Arsenic	IS 3025 (Part 37):1988 (RA 2009)	(0.002 to 0.1) mg/l
		Cyanide	IS 3025 (Part 27):1986 (RA 2009)	(0.02 to 0.1) mg/l
		Lead	IS 3025 (Part 47):1994 (RA 2009)	(0.005 to 0.1) mg/l
		Chromium	Annex J of IS 13428:2005 (RA 2009)	(0.02 to 0.1) mg/l
		Nickel	Annex L of IS 13428:2005 (RA 2009)	(0.01 to 0.1) mg/l

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	18 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Polychlorinated biphenyl (PCB):		
		2,4,4'-Trichlorobiphenyl	TTI/A-12 : 2012	(0.05 to 100) µg/l
		2-2'-5-5'-Tetrachloro-biphenyl	(In-house Method)	
		2-2'-4-5-5'-Pentachloro-biphenyl	Ref. USEPA 525.2 : 1995	
		2,3',4,4',5- Pentachlorobiphenyl		
		2,2',3,4,4',5'-Hexachlorobiphenyl		
		2,2',4,4',5,5'-Hexachlorobiphenyl		
		2,2',3,4,4',5,5'-Heptachlorobiphenyl		
		Polynuclear Aromatic Hydrocarbons:		
		Acenaphthene	TTI/A-11 : 2012	(0.05 to 100) µg/l
		Acenaphthylene	(In-house Method):	
		Anthracene	Ref. APHA 6440 : 22 nd edition :	
		1,2-Benzanthracene	2012	
		Benzo(b)Fluoranthene		
		Benzo(k)Fluoranthene		
		1,12-Benzoperylene		
		Benzo(a)pyrene		
		Chrysene		
		1,2:5,6-Dibenzanthracene		
		Fluoranthene		
	Fluorene			
	Indeno(1,2,3-C,D) pyrene			
	Naphthalene			
	Phenanthrene			
	Pyrene			

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	19 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Ammonia	IS 3025 (Part 34) :1988 (RA 2009)	(0.1 to 10) mg/l
		Boron as B	Annex. F of IS 13428-2005	(0.01 to 100) mg/l
		Chloramines as Cl ₂	IS 3025 (Part 26) :1986 (RA 2009)	(1.0 to 50) mg/l
		Molybdenum as Mo	ASTM – D3372-12	(0.02 to 1) mg/l
		Trihalomethanes :		
		Bromoform	ASTM D 3871-84 (2011)	(0.02 to 1) mg/l
		Dibromochloromethane		(0.02 to 1) mg/l
		Bromodichloromethane		(0.02 to 1) mg/l
		Chloroform		(0.05 to 2) mg/l
		Pesticide Residues :-		
		P,P'-DDT	TTI/A-13 : 2012	(0.02 to 100) µg/l
		Lindane	(In-house Method):	
		Alachlor	Ref. USEPA 525.2	
		β-Endosulfan		
		Chlorpyrifos		
		Butachlor		
		Dieldrin		
		Aldrin		
		O,P'-DDT		
		α-Endosulfan		
	δ-HCH			
	O,P'-DDD			
	P,P'DDE			
	O,P'-DDE			
	α-HCH			
	β- HCH			
	Endosulfan sulfate			
	P,P'DDD			

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	20 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking water, Packaged Natural mineral water, Drinking water, Water for Swimming Pool & Processed Food Industry	Ethion	TTI/A-14:2012 (In-house Method): Ref. USEPA 8141 A	(0.02 to 100) µg/l
		Methyl parathion		
		Malathion		
		Phorate		
		Monochrotophos		
		Atrazine		
		Phorate sulphoxide		
		Phorate sulfone		
		Methyl paraoxon		
		Malaoxon		
		Isoproturon	TTI/A-15 :2012 Ref. USEPA 532	(0.05 to 100) µg/l
		2,4 -D	(In-house Method): TTI/A-16:2012 Ref. USEPA 515.1	(0.05 to 100) µg/l
V.	FOOD & AGRICULTURAL PRODUCTS			
1.	Milk & Milk Products	Moisture	DGHS Manual 1-2005 (2.1.1,4.1.1,9.1.1,11.0.2, 12.02,15.1)	(0.1 to 20) g /100 g (0.1 to 20) g /100 ml
a)	Milk, Cheese, Paneer, Khava/ Mawa, Butter, Curd, Ghee, Pedha, Burfi, Shrikhand, Milk Powder, Ice Cream, Energy Drink, Flavoured Milk, Ice Cream	Milk Protein [Nx6.38]	IS 7219:2005 AOAC 19 th edition 991.20 TTI/A/74:2014	(0.5 to 20.0) g /100 g (20 to 50) g /100 g
		Milk Fat [On Dry Basis]	DGHS Manual 1- 2005 (1.7.3)	(10.0 to 50.0) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	21 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Mix, Weaning Food, Infant Formula, Condensed Milk, Partly Skimmed And Skimmed Milk, Processed Cereal based Food, UHT based Condensed Milk , Whey Powder and Products, Cream	Total Ash (On dry basis)	DGHS Manual 1-2005 (9.6.0)	(0.01 to 20) g /100 g
		Titratable Acidity as Lactic Acid	DGHS Manual 1-2005 (8.5, 9.3.0)	(0.1 to 10) g / 100 g
		Total Milk Solids	DGHS Manual 1-2005 (9.7.5)	(1 to 99) g /100 g
		Sucrose	IS 4079:1967 IS 1166:1986 (RA 2009) TTI/A/33:2014	(1 to 50) g/100 g
		Milk Solids not Fat (SNF)	AOAC (990.21) 19 th Edition : 2012	(5 to 95) g /100 g
		Calorific Value	TTI/A /26 : 2014	(50 to 1000) kcals/100 g
		Carbohydrate	IS 1656:2007	(5.0 to 80.0) g/100 g
		Lactose	IS 1479 (Part 2):1960 (RA 2009) TTI/A/51:2014	(5.0 to 80.0) g /100 g
		pH (in 10.0% aqueous solution)	AOAC 19 th edition 2012: 981.12 IS 1479 (Part 2) : 1961	2.0 to 10
		Phosphorous as P	AOAC 19th edition 991.25 TTI/A/34:2014	(1 to 10000) mg/kg
	Total Solids	DGHS Manual no 1-2005 [1.6, 3.0, 6.2, 8.1, 9.7]	(15 to 99) g/100 g	

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	22 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
b)	Milk Powder, Dairy Whitener, Milk Cereal based Weaning Food, Skimmed Milk Powder Std. Grade, Skimmed Milk Powder Extra Grade, Partly Skimmed Milk Powder Infant Milk Substitute	Moisture	IS 11623:2008 IS 16072:2012	(0.1 to 20) g/100 g
		Total Solids	IS 11623:1986	(70 to 99) g/100 g
		Milk Fat	IS 11721:2013	(0.2 to 10) g/100 g
		Total Ash (on dry basis)	Annex B of IS 14433 (Part 1):2007 Annex A of IS 1165:2002	(1 to 10) g/100 g (0.1 to 10) g/100 g
		Titratable Acidity as Lactic Acid	IS 11766:1986 Annex B of IS 1165:2002 IS 1166:1986	(0.1 to 2) g/100 g (0.1 to 5) g /100 g
		Insolubility Index	IS 12759 : 1989 (RA 2010)	(0.1 to 2.0) ml
		Scorched Particle	IS 13500 : 1992 (RA 2008)	(7.5 to 32.5) mg 4 Step Scale
		Lactic Acid	IS 11202 : 2005	(0.01 to 20) mg/ 100 g
		Milk Solids Not Fat	IS 11766-1986	(5 to 95) g /100 g
		Acid Insoluble Ash [On Dry Basis]	IS 14433:2007	(0.01 to 3.0) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	23 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
c)	Liquid Milk	Milk Protein [Nx6.38]	IS 7219:2005 AOAC 19 th edition 991.20 TTI/A/74:2014	(0.5 to 20.0) g /100 g
		Total Solids	IS 1479 (Part 2):1961 (RA 2009)	(5 to 50) g/100 g
		Milk Solids not Fat (SNF)	IS 1479 (Part 1):1961 (RA 2009) AOAC (990.21) 19 TH Edition : 2012	(5 to 40) g /100 g
		Neutralisers in Milk [Rosalic Acid, Alkanity of Ash]	DGHS manual no 1 –2005 [1.2.11.0]	Present / Absent
		Preservatives in Milk [Formalin in Milk, Hydrogen Peroxide, Boric Acid & Borates, Salicylic Acid]	DGHS manual no 1 –2005 [1.3]	Present/Absent
d)	Adulteration in Milk & Milk Products	Added Starch	IS 1479 (Part-1):1960 (RA 2009) DGHS manual 1-1.2.2.0 TTI/A/31:2014	Present / Absent
		Alkyl Benzene Sulphonic acid	DGHS Manual 1-2005 (1.2.14) IS:8401-1977	Present/Absent
		Added Formaldehyde	IS 1479 (Part-1):1960 (RA 2009) TTI/A/32:2014	Present / Absent

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	24 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Adulteration in Milk & Milk Products	Total added Sugar	DGHS Manual 1-2005 (8.3)	Present / absent
		Sodium Chloride	DGHS Manual 1-1.2.7 TTI/A/53 :2014	Present / Absent
		Ammonium Sulphate	DGHS Manual 1-2005 (1.2.5)	Present / Absent
		Detection of Urea	DGHS Manual 1-2005 (2.4.1)	Present / Absent
e)	Condensed Milk	Milk Fat	IS 11762:2013	(10.0 to 50.0) g /100 g
		Accelerated Storage Test	IS 1166:1986	Pass/ Fail
		Total Milk Solids	IS 1166:1986 (RA 2013)	(15 to 90) g/100 g
f)	Ice Cream	Weight per Unit Volume	IS 2802:1964	(200 to 800) mg/l
g)	Cheese, Cheese powder, Butter	Salt as Nacl	TTI/A/52:2014	(0.1 to 10.0) g/100 g
h)	Ghee	Refractive Index at 40°C	IS 3508 (Method 6):1966 (RA 2013)	1.3 to 1.8
		Reichert- Meissl Value	IS 3508 (Method 12):1966 (RA 2013)	10 to 35
		Baudouin Test	IS 3508 (Method 21):1966 (RA 2013)	Present / Absent
		Free Fatty Acid as Oleic Acid	IS 3508 [method 2]:1966 (RA 2013)	(0.01 to 30) g /100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	25 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Iodized Salt including Vacuum Evaporated or Refined Iodized Salt	Moisture	Annex A of IS 7224: 2006	(0.2 to 5) g/100 g
		Water Insoluble Matter	Annex C of IS 7224: 2006	(0.5 to 5) g /100 g
		Chloride Content (as NaCl)	Annex D of IS 7224: 2006	(55 to 100) g /100 g
		Water Soluble Matter other than NaCl	Annex E of IS 7224: 2006	(0.5 to 5) g/100 g
		Calcium (as Ca)	Annex F of IS 7224: 2006	(0.05 to 1) g/100 g
		Magnesium(as Mg)	Annex F of IS 7224: 2006	(0.05 to 1) g/100g
		Sulphate (as SO ₄)	Annex G of IS 7224: 2006	(0.1 to 5) g/100g
		Iodine content	Annex H of IS 7224: 2006	(10 to 100) mg/kg
		Alkalinity (as Na ₂ CO ₃)	Annex J of IS 7224: 2006	(0.1 to 2) g/100g
		Lead (as Pb)	Annex K of IS 7224: 2006	(0.5 to 100) mg/kg
		Arsenic (as As)	Annex L of IS 7224: 2006	(0.1 to 100) mg/kg
		Iron (as Fe)	Annex M of IS 7224: 2006	(1 to 100) mg/kg
	Ferrocyanide	IS 253:1985 IS 7224:2006	Present/Absent	

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	26 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Bakery Products			
a)	Bread, Cakes, Cookies, Nankatai, Bread Sticks, Toast	Protein	TTI/A/74:2014 IS 7219:2005	(1 to 50) g/100g
		Moisture	IS 12711:1989	(0.2 to 80) g/100 g
		Fat		(0.5 to 40) g/100 g
		Ash [on Dry Basis]		(0.1 to 5) g/100 g
		Crude fiber		(5 to 40) g/100 g
		Alcoholic Acidity as H ₂ SO ₄	TTI/A/54 : 2014	(0.05 to 5) g/100 g
		Acidity of Extracted Fat Oleic Acid	IS 12711:1989	(0.1 to 3) g/100 g
		Acid Insoluble Ash[on dry basis]		(0.01 to 1) g/100 g
b)	Biscuit	Moisture	IS 1011: 2002 (RA 2009)	(0.5 to 10) g/100 g
		Acidity of extracted fat		(0.1 to 2) g/100 g
		Acid Insoluble Ash		(0.01 to 1) g/100 g
4.	Spices & Condiments			
a)	Whole/ Powder Extraneous Matter /Inorganic Caraway, Cardamom, Chillies, Cinnamon, Cassia, Cloves,	Extraneous Matter/ Inorganic Foreign Matter	TTI/A 25 : 2014	(0.1 to 40) g/100 g
		Moisture	IS 1797 –1985 (RA 2009) DGHS Manual 10-2005 (3.0)	(0.1 to 20) g/100 g
		Total Ash [on Dry Basis]	IS 1797:1985 (RA 2009) DGHS Manual 10-2005 (4.0)	(5 to 16) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	27 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Coriander, Cumin, Kalonji, Fennel [Saunf], Fenugreek, Dry ginger, Mace, Mustard, Nutmeg, Black & White Pepper, Saffron, Turmeric, Dehydrated Onion, Asafoetida, Whole-Poppy Seeds, Garlic, Celery, Ajwain, Star Anise, Curry Masala	Acid Insoluble Ash [on Dry Basis]	IS 1797:1985 (RA 2009) DGHS Manual 10-2005 (5.0)	(0.01 to 10) g/100 g
		Water Insoluble Ash [on Dry Basis]	IS 1797 – 1985 (RA 2009)	(0.1 to 30) g/100g
		Water Soluble Ash [on Dry Basis]	IS 1797 – 1985 (RA 2009)	(0.5 to 2.5) g/100g
		Crude Fibre	IS 1797 – 1985 (RA 2009)	(0.5 to 30) g/ 100g
		Non volatile Ether Extract	IS 1797 – 1985 (RA 2009)	(1 to 35) ml/ 100g
		Alcohol Soluble Extract	IS 1797 – 1985 (RA 2009)	(0.5 to 20) g/ 100g
		Light and Heavy Filth in Spices and Condiments	AOAC 19 th edition 975.48	Present/Absent
		Bulk Density	DGHS Manual 10-2005 (13.1)	(1.0 to 800) g/l
		Cold Water Soluble Extract	IS 1797:1985 (RA 2009)	(0.1 to 40) g/100 g
		Volatile Oil	IS 1797:1985 (RA 2009)	(0.1 to 20) ml/100 g
b)	Turmeric	Starch	IS 4706 (Part 2) : 1978 IS 3576: 2010	(40 to 60) g/100 g
		Curcumine Content	IS 10925:1984 (RA 2007)	(1 to 10) g/100 g
		Chromate Test	IS 3576 : 2010	Qualitative

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	28 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
c)	Black Pepper	Mineral oil in Black Pepper	DGHS Manual 10-2005 (13.0)	Present/Absent
		Papaya Seeds in Black Pepper		(0.1 to 50) g/100 g
d)	Curry Masala	Salt as NaCl	IS 1797 – 1985 (RA 2009)	(0.05 to 20) g/100 g
5.	Cereals and Cereal Products, Pulses and pulses products			
a)	Wheat, Rice, Chana, Moong, Rajma, Wheat Flour, Maida, Besan, Barley, Oats, Peas Black, Green & White, Masoor, Corn Flakes, Ready to Eat Cereal Based Products, Rawa, Lapshi [Daliya], Urad Dal , Tur Dal, Masoor Dal, Maida, Barley Flour, Corn	Shrivelled/ Shrunken, Broken, Insect / Weevilled Damaged, Damaged & Discolored, Foreign Matter / Admixture, Other Food / Edible Grains, Rodent Hair and Excreta, Other than Foreign Matter	IS 4333:1996 (RA 2012)	(0.1 to 20) g/100g
		Granularity [Pass through Sieve]	IS 1155:1968 (RA 2010) IS 1010-1968 (RA 2010) IS 1009-1979 (RA 2010)	(0.1 to 100) g/100 g
		Moisture [on Dry Basis]	D.G.H.S Manual No.3 –(2.0,8.2)	(1 to 25) g/100 g
		Total Ash [on Dry Basis]	D.G.H.S Manual No.3 –(8.3) GAFTA 130 12:0-2014	(0.1 to 10) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	29 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Wheat, Rice, Chana, Moong, Rajma, Wheat Flour, Maida, Besan, Barley, Oats, Peas Black, Green & White, Masoor, Corn Flakes, Ready to Eat Cereal Based Products, Rawa, Lapshi [Daliya], Urad Dal , Tur Dal, Masoor Dal, Maida, Barley Flour, Corn	Total Insoluble Ash in Dilute HCl [on Dry Basis]	D.G.H.S Manual No.3-(8.4) GAFTA 130 13:0-2003 IS 1155:1968 (RA 2010)	(0.01 to 5) g/100 g
		Alcoholic Acidity (with 90% Alcohol) expressed as H ₂ SO ₄	DGHS Manual 3-2005 (8.6) IS 1155-1968 (RA 2010)	(0.05 to 1.0) g/100 g
		Crude Protein [N x 5.7]	TTI/A/74:2014	(0.1 to 50) g/100 g
		Crude Fibre	DGHS Manual 3-2005 (8.9) GAFTA 130 12:0-2014	(1 to 25) g/100 g
		Uric Acid	IS 4333 (Part 5):1970 (RA 2010) DGHS Manual 3-2005(3.0)	(1 to 200) mg/kg
		Total Fat	DGHS Manual-3-2005 (14.4) GAFTA 130 3:0-2003	(0.1 to 25) g/100 g
		Calcium	TTI/A /39 : 2014	(0.01 to 100) mg/kg
b)	Kidney Beans	Hydrocyanic Acid	DGHS Manual 3-2005 (5.0)	(2 to 20) mg/kg
c)	Wheat, Maida, Rawa	Gluten Content	DGHS Manual 3-2005 (8.5) IS 1155:1968 (RA 2010)	(5 to 20) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	30 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
6.	Fresh & processed Fruit & vegetable Products			
a)	Fruit Juice [Concentrate & Ready to Serve], Fruit Pulp, Puree, Chutney/ Culinary Paste, Sauces, Ketchups, Ready to eat Vegetables, Canned Fruit & Vegetables, Dehydrated, Instant drink powder, Jam, Jellies, Pickles, Vegetable Soup Powders, Murabba, Tooty Fruity, Thermally Processed Fruits & Vegetables, Curried Vegetables, Squashes, Crushes, Sharbat, Syrups, Marmalades	Extraneous Matter Brix Total Solids Total Soluble Solids Acidity expressed as Citric Acid / Total Acidity Acidity expressed as Acetic Acid Added Sugars as Sucrose Reducing Sugar Added Starch Specific Gravity at 25°C Vitamin C as Ascorbic Acid pH at 25 °C	TTI/A /25 : 2014 TTI/A /56 : 2014 AOAC 19 th edition 2012:920.151 DGHS Manual 5-2005 (2.1) DGHS Manual 5-2005 (1.6) IS 13815-1993 IS 2860:1964 (RA 2008) DGHS Manual 5-2005(2.4) IS 2860:1964 (RA 2008) DGHS Manual 5-2005 (2.4) TTI/A/33:2014 AOAC 925.38 19 th edition : 2012 IS 2860:1964 (RA 2008) AOAC 967.21- 19 th edition 2012 DGHS Manual 5-2005 (2.8) IS 2860:1964 (RA 2008) DGHS Manual 5-2005 (2.3,11.2)	Present /Absent 0.5 to 80 (1.0 to 80) g/100 g (5 to 85) g/100 g (0.01 to 5) g/100 g (0.1 to 5) g/100 g (0.5 to 80) g/100 g Present/Absent 0.5 to 2 (0.0005 to 0.5) g/100 g 1.0 to 14.0

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	31 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
b)	Thermally Processed Container	Fill of the Container at 20°C	DGHS Manual 5-2005 (1.3)	(80 to 100) g/100 g
		Drained Weight / Drain Mass of Can	IS 2860:1964 (RA 2008) DGHS Manual 5-2005 (1.4,1.7)	(30 to 80) g/100 g
		Sodium Chloride (Brine)		(0.25 to 20) g/100 g
c)	Dehydrated Fruits and Vegetables	Peroxidase	DGHS Manual 5-2005 (17.5)	Present / Absent
7.	Nut & Nut Products			
a)	Groundnut, Cashew, Walnut, Hazelnut, Pista, Almonds, Chikkies	Extraneous Matter (Damaged Kernel, Damaged Raisins, Sugared Raisins)	TTI/A 25 : 2014	(0 to 100) g/100 g
		Moisture	AOAC 19th edition 2012: 925.40	(1 to 25) g/100 g
		Fat	AOAC 19 th edition 2012: 948.22	(1 to 75) g/100 g
		Protein [NX6.25]	IS 7219: 2005 TTI/A/74: 2014	(0.1 to 25) g/100 g
		Total Ash [on Dry Basis]	AOAC 19 th edition 2012- 950.49	(0.1 to 10) g/100 g
		Ash Insoluble in dil. HCl [on Dry Basis]	TTI/A/65: 2014	(0.02 to 2) g/100 g
		Crude Fiber	IS 10226 [Part 1]:1982	(0.1 to 30) g/100 g
		Salt as NaCl	AOAC 19 th edition 2012: 950.52	(0.1 to 25) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	32 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
b)	Nuts	Acidity expressed as Oleic Acid of Extracted Fat	TTI/A/62:2014	(0.1 to 5) g/100 g
8.	Sugar Confectionary Products	Ash Sulphated	IS 6287:1985 (RA 2010)	(0.1 to 10) g/100 g
		Total Ash	TTI/A/46:2014	(0.1 to 10) g/100 g
		Ash Insoluble in HCl	IS 6287:1985 (RA 2010)	(0.01 to 5) g/100 g
		Sucrose Content	TTI/A/33:2014	(1 to 99.0) g/100 g
		Moisture (Loss on Drying)	IS 6287:1985 (RA 2010)	(0.2 to 50.0) g/100 g
	Chewing Gum	Gum [base Content]	IS 6747:1981 (RA 2010)	(12.5 to 14.0) g/100 g
9.	Honey	Specific gravity at 27 °C, Min.	IS 4941:1994, Annex-A (RA 2008)	1.1 to 1.5
		Moisture [on Dry Basis]	IS 4941:1994 Annex-B (RA 2008)	(5.0 to 30) g/100 g
		Total Reducing Sugar	IS 4941:1994, Annex-C (RA 2008)	(40 to 80) g/100 g
		Sucrose	IS 4941:1994, Annex-C (RA 2008)	(0.5 to 10) g/100 g
		Fructose-Glucose Ratio	IS 4941:1994 Annex-C (RA 2008)	0.9 to 1.47

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	33 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Honey	Ash	IS 4941:1994 Annex-D (RA 2008)	(0.01 to 1.5) g/100 g
		Acidity (expressed as Formic Acid)	IS 4941:1994,Annex-E (RA 2008)	(0.05 to 0.5) g/100 g
		Fiche's Test	IS 4941:1994 Annex-F (RA 2008)	Positive / Negative
		Hydroxymethyl Furfural (HMF)	IS 4941:1994, Annex-F (RA 2008)	(0.1 to 100) mg/kg
		Optical Density,at 660 nm	IS 4941:1994, Annex-H (RA 2008)	0.05 to 0.5
10.	Animal Feeds & Feeding Stuff- Fish Meal and all other type of Animal Products	Moisture [on Dry Basis]	IS 7874 (Part 1):1975 (RA 2009)	(1 to 25) g/100 g
		Total Ash [on Dry Basis]		(0.1 to 25) g/100g
		Acid Insoluble Ash [on Dry Basis]		(0.1 to 21) g/100g
		Crude Fat		(1 to 15) g/100g
		Crude Protein [N X6.25]	TTI/A/74:2014	(1 to 80) g/100 g
		pH	AOAC 19 th edition, 2012 :981.12	5 to 9
		Crude Fibre	IS 7874 (Part 2):1975 (RA 2009)	(1 to 25) g/100 g
		Salt as NaCl		(0.1 to 15) g/100 g
		Phosphorous as P	IS 14828:2000 GAFTA 130 09:0-2003	(0 to 10) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	34 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
11.	Alcoholic Drinks (Beer, Wine, Whisky, Vodka, Rum, Gin, Champagne, Taquila)	Ethyl Alcohol Content	TTI/A/73: 2014	(1.0 to 80) ml/100 ml
		Residue on Evaporation	IS 3752: 2005 (RA 2009)	(0.1 to 5) g/100 ml
		Total Ash		(0.1 to 1) g/100 ml
		Total Acidity as Tartaric Acid		(0.1 to 200) g/100 l
		Volatility Acidity as Acetic Acid		(0.1 to 200) g/100 l
		Methyl Alcohol		(1 to 50) g/100 l
12.	Carbonated Beverages	Sugar as Sucrose	TTI/A/ 33:2014	(0.5 to 50) g/100 g
		pH at 25°C	TTI/A/ 69:2014	1 to14
		Caffeine	TTI/A/ 68:2014	(5 to 200) mg/100 ml
13.	Oils & Fats (Edible Oil and Fats, Margarine, Fat Spread, Coconut Oil, Sesame Seed Oil , Olive Oil, Palm Oil, Cotton Seed, Maize Oil, Almond Oil, Palm Kernel Oil, Safflower Oil, Rice Bran Oil, Ground Nut Oil , Sunflower Oil Mustard Soyabean Oil, Palmolein Oil	Test of Presence of Rancidity	DGHS Manual 2-2005(37.0)	Present / Absent
		Test for Adulterant: Presence of Karanja Oil	IS 548 Part -2-1976-Method 9 (RA 2012) DGHS Manual-2 -2005 (31.0)	Present/Absent
		Presence of Argemone	IS 548 Part -2-Method 10-1976 (RA 2012) DGHS Manual 2-2005 (30.0)	Present/Absent [upto 0.1%]
		Presence of Hydrocyanic acid	IS 548 Part -2-1976 -Method11 (RA 2012) DGHS Manual 2-2005 (32.0)	Present/Absent

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	35 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Oils & Fats (Edible Oil and Fats, Margarine, Fat Spread, Coconut Oil, Sesame Seed Oil , Olive Oil, Palm Oil, Cotton Seed, Maize Oil, Almond Oil, Palm Kernel Oil, Safflower Oil, Rice Bran Oil, Ground Nut Oil , Sunflower Oil Mustard Soyabean Oil, Palmolein Oil	Presence of Mineral Oil	IS 548 Part -2-1976-Method 12 DGHS Manual 2 -2005(28.0)	Present/Absent
		Presence of Groundnut oil	IS 548 Part -2-1976 (RA 2012)	Present/Absent
		Presence of Kusum Oil	IS 548 Part -2-1976-Method 14 (RA 2012)	Present/Absent
		Presence of Castor oil	IS 548 Part 2-1976-Method 15 (RA 2012) DGHS Manual-2-2005(29.0)	Present/Absent
		Presence of Neem Oil	IS 548 Part -2-1976-Method 16 (RA 2012)	Present/Absent
		Presence of Animal Fat in Vegetable	IS 548 Part -2-1976-Method 18 (RA 2012) DGHS Manual-2-2005(21.0)	Present/Absent
		Colour on Lovibond scale	Method 13 of IS : 548 (Part 1), 1964 (RA 2010)	0.1 to 40
		Moisture & Volatile Matter	IS: 548 (Part 1)1964 (RA 2010)	(0.01 to 10) g/100 g
		Refractive Index at 40° C		1.40 to 1.7
		Free Fatty Acids		0.01 to 30
	Acid Value		0.01 to 30	
	Iodine Value		2 to 250	
	Peroxide Value		(0.2 to 20) meq of oxygen /kg	
	Saponification Value		(150 to 260) mg KOH /g	
	Unsaponifiable Matter		(0.3 to 1.0) g/100 g	
	Specific Gravity at 30° C		0.5 to 2.0	

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	36 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Cloud Point Flash Point	DGHS Manual 2-2005 (6.0, 17.0)	(5 to 30) °C (120 to 500) °C
		Hexane	TTI/A/50:2014	(1 to 100) mg/kg
		B.R Reading at 40° C	IS 548 (Part 1):1964 (RA 2010)	(0 to 100) °C
		Bellier Test	IS 548 (Part 2): 1964 (RA 2010)	(10 to 50) °C
		Phosphorus as P	TTI/A/34 :2014	(10 to 400) mg/kg
	Olive Oil	Test for teaseed oil in olive oil	DGHS Manual 2-2005 (24.0)	Present/Absent
		Presence of Olive Pomace Oil in Olive Oil	DGHS Manual 2-2005 (25.0)	Present/Absent
		Presence of Semisiccative Oil in Olive Oil	DGHS Manual 2-2005 (26.0)	Present/Absent
	Soyabean Oil	Insoluble Bromide Test	Annex-D of IS 4276:1977	Qualitative
	Rice Bran Oil	Oryzanol	Annex C of IS 3448:1984	0.5 to 2
	Mustard Oil	Polybromide Test	Annex C of IS 546: 1975 (RA 2009)	Qualitative
		Natural Essential Oil, percent by mass (as Allyl Isothcyanate)	Method 17 of IS 548 (Part 1) : 1964 (RA 2010)	(0.1 to 1) ml/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	37 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
14.	Oil seeds [Oilseed & Oilseed By product]	Damaged & Weevilled seeds / Kernels, Slightly Damaged Seeds / Kernels, Shrivelled & Immature and Dark Seeds / Kernels, Split or Cracked Seeds / Split & Broken Kernels, Impurities)	IS 3579:1966 (RA 2010)	(0 to 40) g/100 g
		Moisture Content [on Dry Basis]	IS 3579:1966 (RA 2010)	(0 to 15) g/100 g
		Oil Content		(10 to 65) g/100 g
		Acid Value of Free Fatty Acid of Extracted Fat		(0.1 to 20) mg of KOH/g
		Ash [on Dry Basis]	GAFTA 130 12:0-2014	(0.5 to 40) g/100 g
		Acid Insoluble Ash	GAFTA 130 13:0-2003	(0.05 to 10) g/100 g
15.	Tea & Tea Products & Coffee, Chicory, Cocoa & its products	Moisture	TTI/A/36:2014	(1 to 20) g/100 g
		Total Ash (on Dry Basis)	TTI/A/46:2014	(0.2 to 10) g/100 g
		Crude fiber	IS 10226:1982 (Part-1) DGHS Manual 4-2005 (5.8)	(10 to 30) g/100 g
		Acid Insoluble Ash (on Dry Basis)	TTI/A/38:2014	(0.1 to 5) g/100 g
Tea		Water Soluble Ash (on Dry Basis)	IS 13855-1994	(30 to 80) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	38 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Tea	Alkalinity of Water Soluble Ash (on Dry Basis as K ₂ O ₂)	IS 13856-1993 (RA 2009)	(1 to 10) g/100 g
		Water Extract (on Dry Basis)	IS 13862-1999 (RA 2009)	(20 to 80) g/100 g
		Iron Particles	IS 3633-2003 (RA 2008)	Present/Absent
	Coffee & Chicory	Solubility in Cold Water	IS 2791-1992 (RA 2009)	Present/Absent
		Solubility in Boiling Water	IS 2791-1992 (RA 2009)	Present/Absent
		Extraneous Matter & Impurities / Foreign Matter	IS 3077-1992 (RA 2011)	Present/Absent
		Water Soluble Matter	IS 3077-1992 Annex K (RA 2011)	(30.0 to 50.0) g/100 g
		Petroleum Ether Extract	IS 3077-1992 (RA 2011)	(2 to 20) g/100 g
		Caffeine Content	DGHS Manual No.4, 2005 (1.8,2.7,3.3)	(0.1 to 10) g/100 g
16.	Snacks/ Savouries, Namkeens, Chips	Moisture	IS 15271:2003	(0.1 to 20) g/100 g
		Ash	TTI/A/46:2014 IS 15271: 2003	(0.1 to 20) g/100 g
		Acid Insoluble Ash	IS 15271:2003	(0.01 to 5) g/100 g
		Fat	IS 15271:2003	(0.1 to 50) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	39 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Snacks/ Savouries, Namkeens, Chips	Peroxide Value	IS 15271:2003	(0.1 to 50) meq/ kg oxygen
		Acidity / Acidity of Extracted Fat of Oleic Acid	IS 15271:2003	(0.01 to 50) g/100 g
		Salt	IS 15271: 2003 TTI/A/49:2014	(1 to 5) g/100 g
17.	Instant Mix	Moisture [on Dry Basis]	IS:2234 -1989, Annex C (RA 2010)	(0.1 to 80) g/100 g
		Ash [on Dry Basis]	IS:2234 -1989, Annex D (RA 2010)	(0.1 to 20) g/100g
		Acid Insoluble Ash [on Dry Basis]	IS:2234 -1989, Annex E (RA 2010)	(0.01 to 5) g/100g
		Total Protein [N X6.25]	IS:2234 -1989, Annex F TTI/A/74:2014	(1.0 to 20) g/100 g
		Carbohydrate	IS:1656 -2007	(50 to 90) g/100 g
		Crude Fibre	IS:2234 -1989, Annex G (RA 2010)	(0.5 to 30) g/100 g
	Instant Mix Products	Leavening Index	IS:2234 -1989, Annex H (RA 2010)	(0.5 to 5) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	40 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
18.	Starch and Starch Products	Moisture [on Dry Basis]	IS 4706 (Part 2):1978 (RA 2010)	(0.1 to 20) g/100 g
		Ash [on Dry Basis]	IS 4706 (Part 2):1978 (RA 2010)	(0.1 to 10) g/100 g
		Acid Insoluble Ash [on Dry Basis]	IS 4706 (Part 2):1978 (RA 2010)	(0.01 to 2) g/100 g
		pH of Aqueous Extract	IS 4706 (Part 2):1978 (RA 2010)	1.0 to 14.0
		Alcoholic Acidity	IS 4706 (Part 2):1978 (RA 2010)	(0.01 to 5) g/100 g
		Starch Content	IS 4706 (Part 2):1978 (RA 2010)	(30 to 95) g/100 g
19.	Fish and Fishery Product	Total Volatile Nitrogen	AOAC 19 th edition 999.01 DGHS Manual 6-2005 (1.2)	(15 to 400) mg N/ 100 g
		Histamine	DGHS Manual 6-2005 (1.3)	Present/Absent [upto 50 ppb]
20.	Flavours [Liquid & Powdered] Natural Flavours Natural Identical Flavours Synthetic Flavours	Total Soluble Solids Refractive Index at 40°C	IS 13815 – 1993 DGHS Manual 5-2005 TTI/A/56:2014	(0 to 80) g/100 g 1.3 to 1.7
		Specific Gravity at 20 °C	DGHS Manual 5-2005 TTI/A/70:2014	0.5 to 2

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	41 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
21.	Milk & Milk a) Products	Aflatoxin M1	AOAC 19 th edition 2000.08 AOAC 19 th edition 980.21 TTI/A/40:2014	(0.05 to 1000) µg/kg
b)	Food & Agri products [Oil & Oilseeds, Spices, Nuts, Cereal & Pulses]	Total Aflatoxin Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	AOAC 19 th edition 991.31 TTI/A/41:2014	(0.3 to 1000) µg/kg
22.	Metal contaminants (Milk Products, Pulses & Cereal Products, Bakery & Confectionery, Spices, Fruit & Vegetable Products, Starch & Starchy Products, Oil, Snacks, Meat & Meat Products, Fruit Juices & Concentrates, Food Ingredients, Essential Oils, Edible Oil, Infant Food, Food Supplement)	Lead Cadmium Arsenic Mercury Tin	TTI/A/39:2014 IS 1699:1995 IS 12074:1987 AOAC 19 th edition 999.11	(0.1 to 1000) mg/kg (0.02 to 500) mg/kg (0.03 to 10.0) mg/kg (0.1 to 2.0) mg/kg (1 to 500) mg/kg

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	42 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
23.	Pesticide Residues (Fruits & Vegetable)	Alpha BHC Beta BHC Gamma BHC S BHC Aldrin Dieldrin OP-DDE, PP-DDE, OP-DDD, PP-DDD, OP-DDT, PP-DDT	AOAC 19 th edition 2007.01 TTI/A/44:2014	(0.02 to 5) mg/kg
a)		Phenthoate Phorate, Phorate Sulfone, Phorate Sulfoxide Triazophos Metolachlor Oxyfluorfen Metribucin Pendimethaline Nutrition Labeling	AOAC 19 th edition 2007.01 TTI/A/45:2014	(0.005 to 2) mg/kg (0.02 to 5) mg/kg (0.01 to 2) mg/kg (0.01 to 2) mg/kg (0.01 to 2) mg/kg (0.02 to 2) mg/kg (0.01 to 2) mg/kg
b)	Pesticides in Edible Oil			
24.	Packaged Food Products	Nutrition Labeling : Moisture	DGHS Manual No. 3, 5, & 10 – 2005 TTI/A/42:2014	(0.1 to 10) g/100 g
		Ash	AOAC 19 th edition 900.02 TTI/A/46:2014	(0.1 to 10) g/100 g
		Total fat	IS 12711:1989 TTI/A/47:2014	(0.1 to 5) g/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	43 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Food Products	Fatty acid profile: MUFA PUFA Saturated fat Trans FAT	IS 548 (Part 3) : 1976 AOAC 996.06, 19 th edition TTI/A/37:2014	(0.05 to 100) g/100 g
		Protein [N X6.25]	AOAC 19th edition 2012: 984.13 IS 7219 :1973 TTI/A/74:2014	(1.0 to 50) g/100 g
		Carbohydrate	IS 1656:2007	(50 to 90) g/100 g
		Calorific Value	TTI/A /26 : 2014	(100 to 800) Kcal/100 g
		Salt as NaCl	IS 1797:1985 TTI/A/49:2014	(0.5 to 2) g/100 g
		Cholesterol	AOAC 19th edition 2012: 994.10 TTI/A/35:2014	(0 to 0.1) g/100 g
		Crude Fibre	IS 10226:1982 (Part-1)	(10 to 30) g/100 g
		Calcium as Ca	AOAC 19th edition 2012: 991.25 TTI/A/39:2014	(0.05 to 20) mg/100 g
		Total Phosphorous	AOAC 19th edition 2012: 991.25 TTI/A/34:2014	(0.01 to 5) g/100 g
		Iron as Fe	AOAC 19th edition 2012: 999.11 TTI/A/39:2014	(0.01 to 10) mg/100 g

Laboratory	Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory, 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East), Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	04.10.2014
Certificate Number	T-1222	Valid Until	03.10.2016
Last Amended on	-	Page	44 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Food Products	Sodium as Na Potassium as K	AOAC 19th edition 2012: 990.23 TTI/A/39:2014	(0.05 to 10) g/100 g (0.05 to 10) g/100 g
		Magnesium as Mg	AOAC 19th edition 2012: 968.08 TTI/A/39:2014	(0.05 to 10) g/100 g
		Copper as Cu	AOAC 19th edition 2012: 996.17 TTI/A/39:2014	(0.1 to 10) g/100 g
		Zinc as Zn	IS 1699:1995	(0.05 to 10) mg/100 g
		Vitamin C as Ascorbic acid	AOAC 19th edition 2012: 985.33 AOAC 19th edition 2012: 967.21 DGHS Manual No. 5 - 2005 TTI/A/71:2014	(0.005 to 10) g/100 g
25.	Food Additives, Preservatives (In Process Foods)	Benzoic Acid	DGHS Manual 8 – 2005 TTI/A/60:2014	(50 to 2000) mg/kg
		Sorbic Acid	DGHS Manual 8 – 2005 TTI/A/61:2014	(50 to 2000) mg/kg
		Sulphur dioxide	DGHS Manual 8 -2005 TTI/A/58:2014	(0 to 1000) mg/kg
		Citric Acid	DGHS Manual 5 -2005 TTI/A/63:2014	(0.1 to 5) g/100 g

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 45 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Food Additives, Preservatives (In Process Foods)	Tartaric Acid	DGHS Manual 5 -2005 TTI/A/63:2014	(0.1 to 5) g/100 g
		Mallic Acid	DGHS Manual 5 -2005 TTI/A/63:2014	(0.1 to 5) g/100 g
		Ascorbic acid	AOAC 19 th edition 2012: 985.33 AOAC 19 th edition 2012: 967.21 DGHS Manual No. 5 - 2005 TTI/A/71:2014	(0.005 to 0.5) g/100 g
		Identification of Natural food Colours (Cochineal, Turmeric, Annatto, Chlorophyll, Betanin)	DGHS Manual 8 – 2005 TTI/A/64:2014	Qualitative
		Determination of Synthetic Food Colours Carmosine Ponceau 4R, Erythrosine, Green FCF, Indigo Caramine, Brilliant Blue FCF, Tartrazine, Sunset Yellow FCF	DGHS Manual 8 – 2005 TTI/A/59:2014	(5 to 250) mg/kg

Laboratory Testtex India Laboratories Pvt. Ltd., H. O. & Central Laboratory,
 301-304, Premson's Industrial Estate, Caves Road, Jogeshwari (East),
 Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 04.10.2014

Certificate Number T-1222 **Valid Until** 03.10.2016

Last Amended on - **Page** 46 of 46

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
26.	Food Antioxidant (In Process Foods)	BHA BHT TBHQ	DGHS Manual 8 – 2005 AOAC19 th edition 2012: 983.15	(10 to 100) mg/kg (10 to 100) mg/kg (10 to 100) mg/kg

-X-X-X-X-X-X-X-X-X-X-X-X-

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