



Valid from 19 March 2015  
To 18 March 2018  
Issued on 19 March 2015

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



ISO/IEC 17025  
TL 055- 01

## Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 055- 01

Bureau Veritas Consumer Products Services Lanka (Pvt) Ltd

No 570, Galle Road, Katubedda.

Scope of Accreditation: Performing Chemical testing on food and agriculture products, water, cosmetics and textile.

The laboratory is accredited for the tests given page two onwards.

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Food and Agricultural Products</b>					
1.1	Tea(Black Tea)	Crude Fiber Content	SLS 28 Part 8 :2008 Reference to ISO 15598: 1999	1-30%	12.93 ± 0.06%
1.2		Loss in Mass	SLS 28 Part 2 :2008 Reference to ISO 1573:1980	1-15%	9.61±0.07%
1.3		Water Soluble Ash	SLS 28 Part 4 :2008 Reference to ISO 1576:2008	1-70%	56.6±0.25%
1.4		Water Extract	SLS 28 Part 7 :2008 Reference to ISO 9768: 1994	1-70%	44.60±0.24%
1.5		Acid Insoluble Ash	SLS 28 Part 5:2008; Reference to ISO 1577:1987	0.1-10%	0.37±0.02%
1.6		Alkalinity of Water Soluble Ash	SLS 28 Part 6:2008; Reference to ISO 1578:1975	0.5-5.0%	2.25±0.01%
1.7		Total Ash	SLS 28 Part 3:2008; Reference to ISO 1575:1987	1.0-10.0%	5.90±0.01%
2.1	Oils and Fats	Iodine Value	SLS 313 :Part 2/Section 2:2009 Reference to ISO 3961:2009	4-200	6.09 ± 0.05
2.2		Peroxide Value	SLS 313:Part 3/Section 7:2009; Reference to ISO 3960:2007	0.1-30 meq per kg	2.1 ± 0.03 meq per kg
2.3		Acid value & Free Fatty Acid	SLS 313:Part 2/Section6:2009 Reference to ISO 660:2009	0.01 -10%	0.76 ± 0.02%
2.4		Saponification Values	SLS 313:part 2/Section 1 2009;Reference to ISO 3657:2002	150-300	260.19 ± 0.36
2.5	Spices , Tea, Coffee, nuts, Dry food	Aflatoxin B1,B2,G1,G2	FD-MTHD-011 :2014 (In house method) AOAC Chapter 49 HPLC FLD	0.5mcg/kg-100 mcg/kg	0.5 ± 0.022 µg/kg 10.0 ± 0.41µg/kg
3.1	Skimmed Milk powder	Moisture	SLS 735 : Part 3: 2008	0.1-10%	4.1±0.07%
3.2		Titrateable Acidity ( As Lactic acid)	FD-MTHD-042:2014 V1.0	0.1-10%	0.8 ± 0.02%
4.1	Fruit Drinks, Beverages, quash, Fruit Syrup and Fruit Jam	Acidity(as anhydrous citric acid)	SLS 221 / 729 / 730 :2010 , Appendix C	0.05-10.0%	1.0 ± 0.02%
4.2		Benzoic acid and Sorbic acid	CPSD-AN-00322-: 2013 V 1.0 MTHD - SOLVENT EXTRACTION	5-1000 mg/l	5.1 ± 0.21mg/l & 100 ± 4.01 mg/l ( for benzoic ) and 5.00 ± 0.01 & 100± 0.25mg/l

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<b>Food and Agricultural Products</b>					
5.1	Spices and Condiments	Moisture Content	SLS 186-5 :2008 Reference to ISO 939-1980	0.5-25.0%	10.24 ±0.3 %
5.2		Volatile Oil	SLS 186-11 :2008 Reference to ISO 6571-2008	0.1-10.0%	2.25 ± 0.07 %
5.3		Acid Insoluble Ash	SLS 186 Part 4:2008; Reference to ISO 930:1997	0.1-5%	0.3±0.01%
5.4		Total Ash	SLS 186 Part 3 :2008 Reference to ISO 928-1997	0.1-15.0%	3.8 ±0.02%
5.5		Sulphur dioxide	FD-MTHD-0038:2014 V 1.0 ( In House Method)	10 – 400mg/kg	10±0.85 mg/kg
6.1	Spices	Sudan Red 1,2,3&4	CPSD-AN-00364:2013 V1.0 MTHD Reference to GB/T 19681-2005 “Sudan Red in food by HPLC”	0.01-5 mg/kg	0.02.0±0.01mg/kg 2.0± 0.09mg/kg
7.1	Heavy Metals in Tea & Spices	Copper	FD-MTHD-034: 2013 V 1.0  ( In House Method)	0.500 mg/kg – 100 mg/kg	0.5 ± 0.04 mg/kg 2.5±0.05 mg/kg
7.2		Zinc		0.500 mg/kg – 100 mg/kg	0.5 ± 0.09 mg/kg 2.5±0.05 mg/kg
7.3		Arsenic		0.04 mg/kg – 10 mg/kg	0.04 ±0.01 mg/kg 0.25 ±0.01 mg/kg
7.4		Lead		0.07 mg/kg-50 mg/kg	0.07 ± 0.01 mg/kg 2.5±0.05 mg/kg
7.5		Mercury		0.01 mg/kg – 10 mg/kg	0.01± 0.001 mg/kg 0.2±0.03 mg/kg
7.6		Cadmium		0.04 m/kg- 10 mg/kg	0.04 ±0.01 mg/kg 2.5±0.05 mg/kg
8.1	Heavy Metals in Fish	Copper	FD-MTHD-035:2013 V 1.0  ( In House Method)	0.1 mg/kg- 100 mg/kg	0.1 ±0.01 mg/kg 0.2±0.02 mg/kg
8.2		Cadmium		0.02- 50 mg/kg	0.02 ±0.01 mg/kg 0.1 ±0.01 mg/kg
8.3		Mercury		0.002 mg/kg – 30 mg/kg	0.002 ±0.001 mg/kg
8.4		Arsenic		0.02 mg/kg – 50 mg/kg	0.02 ±0.01 mg/kg 0.05±0.01 mg/kg
8.5		Lead		0.02 mg/kg – 50 mg/kg	0.02±0.01 mg/kg 0.1±0.01 mg/kg
9.1	Phthalate in Food ( Oil Samples)	DBP	CPSD-AN-00524 :2013 MTHD :V 2.0 ( In House Method)	0.15-100 mg/kg	0.15 ± 0.04 mg/kg 50 ± 5.27 mg/kg
9.2		BBP		0.3-100 mg/kg	0.3 ± 0.06 mg/kg 50 ± 4.02 mg/kg
9.3		DEHP		0.3-100 mg/kg	0.3 ± 0.05 mg/kg 50 ± 5.82 mg/kg
9.4		DnOP		0.3-100 mg/kg	0.3 ± 0.06 mg/kg 50 ± 5.02 mg/kg
9.5		DINP		0.3-100 mg/kg	0.3 ± 0.06 mg/kg 50 ± 5.45 mg/kg
9.6		DIDP		0.3-100 mg/kg	0.3 ± 0.06 mg/kg 50 ± 6.82 mg/kg

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<b>Food and Agricultural Products</b>					
10.1	Residual Pesticides in Tea	α- HCH	FD-MTHD -010:2013  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC-ECD –MS :2014 V 1.0 )	OCs- 0.004mg/kg.8.0 mg/kg Ops- 0.02 mg/kg- 40 mg/kg	0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.2		β- HCH			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.3		γ- HCH			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.4		δ- HCH			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.5		Aldrin			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.6		Dieldrin			0.004+/-0.0007 mg/kg 0.2 ± 0.05 mg/kg
10.7		Heptachlor			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.8		Hepatachlorepoxyde			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.9		α – Endosulfan			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.10		β- Endosulfan			0.004+/-0.0007 mg/kg 0.2 ± 0.05 mg/kg
10.11		Endosulfansulphate			0.004+/-0.0007 mg/kg 0.2 ± 0.05 mg/kg
10.12		P,p DDE			0.004+/-0.0007 mg/kg 0.2 ± 0.05 mg/kg
10.13		O,p DDT			0.004+/-0.0007 mg/kg 0.2 ± 0.05 mg/kg
10.14		P,p DDT			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.15		O,p DDD			0.004+/-0.0005 mg/kg 0.2 ± 0.03 mg/kg /kg
10.16		p,p DDD			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.17		Endrin			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.18		Endrin Aldehyde			0.004+/-0.0008 mg/kg 0.2 ± 0.08 mg/kg
10.19		Hexachlorobenzene			0.004+/-0.0006 mg/kg 0.2 ± 0.04 mg/kg
10.20		Triflurine			0.004+/-0.0007 mg/kg 0.2 ± 0.04 mg/kg
10.21		Chloropyrifos			0.02+/-0.004 mg/kg 1.0 ± 0.02 mg/kg
10.22		Diazinon			0.02+/-0.007 mg/kg 1.0 ± 0.34 mg/kg

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Food and Agricultural Products</b>					
10.23	Residual Pesticides in Tea	Fenthion	FD-MTHD -010:2013 ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC-ECD –MS : 2014 V 1.0 )	OCs- 0.004mg/kg.8.0 mg/kg Ops- 0.02 mg/kg- 40 mg/kg	0.02+/-0.008 mg/kg 1.0 ± 0.044 mg/kg
10.24		Fenpropathrin			0.02+/-0.008 mg/kg 1.0 ± 0.054 mg/kg
10.25		Fenitrothion			0.02+/-0.008 mg/kg 1.0 ± 0.04 mg/kg
10.26		Malathion			0.02+/-0.008 mg/kg 1.0 ± 0.042 mg/kg
10.27		Phenthoate			0.02+/-0.008 mg/kg 1.0 ± 0.04 mg/kg
10.28		Parathion methyl			0.02+/-0.008 mg/kg 1.0 ± 0.017mg/kg
10.29		Propiconazole			0.02+/-0.008 mg/kg 1.0 ± 0.062 mg/kg
10.30		Tebuconazol			0.02+/-0.008 mg/kg 1.0 ± 0.041 mg/kg
10.31		Cypermethrin			0.02+/-0.008 mg/kg 1.0 ± 0.041 mg/kg
10.32		Fenvelarate			0.02+/-0.008 mg/kg 1.0 ± 0.041 mg/kg
10.33		Profenofos			0.02+/-0.008 mg/kg 1.0 ± 0.041 mg/kg
10.34		Dimethoate			0.02+/-0.008 mg/kg 1.0 ± 0.054 mg/kg
10.35		Propanil			0.02+/-0.008 mg/kg 1.0 ± 0.05 mg/kg
10.36		Propoxur			0.02+/-0.008 mg/kg 1.0 ± 0.048 mg/kg
10.37		Pirimiphos methyl			0.02+/-0.008 mg/kg 1.0 ± 0.04 mg/kg
10.38		Metalaxyl			0.02+/-0.008 mg/kg 1.0 ± 0.04 mg/kg
10.39		Bifenthrin			0.02+/-0.008 mg/kg 1.0 ± 0.05 mg/kg
10.40		Bitertinol			0.02+/-0.008 mg/kg 1.0 ± 0.047 mg/kg
10.41	Carbofuran	0.02+/-0.008 mg/kg 1.0 ± 0.043 mg/kg			
10.42	Deltamethrin	0.02+/-0.008 mg/kg 1.0 ± 0.056 mg/kg			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty ( $\pm$ )
<b>Food and Agricultural Products</b>					
11.1	Residual Pesticides in Spices	$\alpha$ - HCH	FD-MTHD-010: 2013  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD /-MS : 2014 V 1.0)	OCs- 0.004 mg/kg-2.0mg/kg Ops- 0.01 mg/kg- 20mg/kg	0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.03 mg/kg
11.2		$\beta$ - HCH			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.3		$\gamma$ - HCH			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.4		d- HCH			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.5		Aldrin			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.6		Dieldrin			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.7		Hepatachlorepoxyde			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.8		Heptachlore			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.8		$\alpha$ – Endosulfan			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.05 mg/kg
11.9		$\beta$ - Endosulfan			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.10		Endosulfansulphate			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.11		P,p DDE			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.12		O,p DDT			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.13		P,p DDT			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.14		O,p DDD			0.02 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.15		p,p DDD			0.002 $\pm$ 0.006mg/kg 0.2 $\pm$ 0.04 mg/kg
11.16		Endrin			0.02 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.17		Endrin Aldehyde			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.04 mg/kg
11.18		Hexachlorobenzene			0.002 $\pm$ 0.004mg/kg 0.2 $\pm$ 0.05 mg/kg
11.19		Fenophtharin			0.002 $\pm$ 0.0004mg/kg 0.2 $\pm$ 0.06 mg/kg
11.20	Chloropyrifos	0.01 $\pm$ 0.001mg/kg 0.2 $\pm$ 0.02 mg/kg			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty(±)
<b>Food and Agricultural Products</b>					
11.21	Residual Pesticides in Spices	Diazinon	FD-MTHD-010: 2013 ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD / -MS : 2014 V 1.0)	OCs- 0.004 mg/kg- 2.0mg/kg Ops- 0.01 mg/kg- 20mg/kg	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.22		Fenthion			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.23		Fenitrothion			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
11.24		Malathion			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.25		Phenthoate			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.26		Parathion methyl			0.01±0.002mg/kg 0.2 ± 0.03 mg/kg
11.27		Quinalphos			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.28		Cypermethrin			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.29		Fenvelarate			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.30		Profenofos			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.31		Dicofol			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.32		Propanil			0.01±0.002mg/kg 0.2 ± 0.03 mg/kg
11.33		Propiconzole			0.01±0.002mg/kg 0.2 ± 0.03 mg/kg
11.34		Pirimiphos methyl			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
11.35		Tebuconazol			0.01±0.002mg/kg 0.2 ± 0.04 mg/kg
11.36		Bifenthrin			0.01±0.002mg/kg 0.2 ± 0.05 mg/kg
11.37		Carbofuran			0.01±0.002mg/kg 0.2 ± 0.03 mg/kg
11.38	Deltamertrin	0.01±0.002mg/kg 0.2 ± 0.05 mg/kg			
11.39	Bitetinol	0.01±0.002mg/kg 0.2 ± 0.05 mg/kg			
11.40	Dimethoate	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg			
12.1	Residual Pesticides Fruits & Vegetables	α- HCH	FD-MTHD-010: 2013 Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD / -MS: 2014 V 1.0	OCs- 0.004 mg/kg- 2.0mg/kg Ops- 0.01 mg/kg- 20mg/kg	0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.2		β- HCH			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.3		g- HCH			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.4		d- HCH			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.5		Aldrin			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Food and Agricultural Products</b>					
12.6	Residual Pesticides Fruits & Vegetables	Dieldrin	FD-MTHD-010: 2013  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD /- MS: 2014 V 1.0 )	OCs- 0.004 mg/kg-2.0mg/kg Ops- 0.01 mg/kg- 20mg/kg	0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.7		Hepatachlorepoixide			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.8		α – Endosulfan			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.9		β- Endosulfan			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.10		Endosulfansulphate			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.11		P,p DDE			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.12		O,p DDT			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.13		P,p DDT			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.14		O,p DDD			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.15		p,p DDD			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.16		Endrin			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.17		Endrin Aldehyde			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.18		Hexachlorobenzene			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.19		Triflurine			0.002±0.0003mg/kg 0.2 ± 0.02 mg/kg
12.20		Chloropyrifos			0.01±0.004mg/kg 0.2 ± 0.02 mg/kg
12.21		Diazinon			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.22		Fenthion			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.23	Fenitrothion	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg			
12.24	Malathion	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg			
12.25	Parathion	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg			



SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Food and Agricultural Products</b>					
12.26	Residual Pesticides Fruits & Vegetables	Parathion methyl	FD-MTHD-010: 2013  (Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD /- MS:2014 V 1.0 )	OCs- 0.004 mg/kg-2.0mg/kg Ops- 0.01 mg/kg- 20mg/kg	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.27		Quinalphos			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.28		Cypermethrin			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.29		Fenvelarate			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.30		Profenofos			0.01±0.004mg/kg 0.2 ± 0.02 mg/kg
12.31		Dicofol			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
12.32		Ethion			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
12.33		Propoxur			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.34		Pirimiphos methyl			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
12.35		Metalaxyl			0.01±0.004mg/kg 0.2 ± 0.02 mg/kg
13.1		Residual Pesticides Fish			α- HCH
13.2	β- HCH		0.002±0.0006mg/kg 0.2 ± 0.02 mg/kg		
13.3	γ- HCH		0.002±0.0004mg/kg 0.2 ± 0.03 mg/kg		
13.4	d- HCH		0.002±0.0005mg/kg 0.2 ± 0.03 mg/kg		
13.5	Aldrin		0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg		
13.6	Dieldrin		0.002±0.0004mg/kg 0.2 ± 0.02 mg/kg		
13.7	Heptachlore		0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg		
13.7	Hepatachlorepoixide		0.002±0.0006mg/kg 0.2 ± 0.02 mg/kg		
13.8	α – Endosulfan		0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg		
13.9	β- Endosulfan		0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg		
13.10	Endosulfansulphate		0.002±0.0004mg/kg 0.2 ± 0.02 mg/kg		
13.11	P,p DDE		0.002±0.0004mg/kg 0.2 ± 0.02 mg/kg		
13.12	O,p DDT		0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg		
13.13	P,p DDT	0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Food and Agricultural Products</b>					
13.14	Residual Pesticides Fish	O,p DDD	FD-MTHD-010: 2013  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC--ECD – MS:2014 V 1.0 )	OCs- 0.002 mg/kg-4 mg/kg Ops- 0.01 mg/kg- 20 mg/kg	0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg
13.15		p,p DDD			0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg
13.16		Endrin			0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg
13.17		Endrin Aldehyde			0.002±0.0004mg/kg 0.2 ± 0.02 mg/kg
13.18		Hexachlorobenzene			0.002±0.0005mg/kg 0.2 ± 0.02 mg/kg
13.19		Triflurine			0.002±0.0004mg/kg 0.2 ± 0.02 mg/kg
13.20		Chloropyrifos			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
13.21		Diazinon			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
13.22		Fenthion			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.23		Fenitrothion			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.24		Malathion			0.01±0.004mg/kg 0.2 ± 0.02 mg/kg
13.25		Parathion			0.01±0.002mg/kg 0.2 ± 0.02 mg/kg
13.26		Parathion methyl			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.27		Quinalphos			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.28		Cypermethrin			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.29		Fenvelarate			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.30		Profenofos			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.31		Dicofol			0.01±0.003mg/kg 0.2 ± 0.02 mg/kg
13.32	Ethion	0.01±0.002mg/kg 0.2 ± 0.02 mg/kg			
13.33	Propoxur	0.01±0.003mg/kg 0.2 ± 0.02 mg/kg			

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
	<b>Water</b>				
14.1	Water	Total Dissolved Solids	FD-MTHD-008:2013 V 1.0 Reference to APHA, 2540 C	10 -1000 mg/l	10±0.58 mg/l 209 ± 6.15 mg /l
14.2		Total Suspended Solids	FD-MTHD-009 :2013 V 1.0 Reference to APHA, 2540 D	2-1000 mg/l	2.4±0.50 mg/l 50± 2.56 mg/l
14.3		Electrical Conductivity	FD-MTHD-003:2013 V 1.0 Reference to APHA, 2510 A	1-1000 µS/cm	1414.6±12.21 µS/cm
14.4		Chemical Oxygen Demand	FD-MTHD-002:2013 V 1.0 Reference to APHA, 5220.D	5-15 mg/l	17±2.45 mg/l 250±9.798 mg/l
14.5		Biological Oxygen Demand	FD-MTHD-001:2013 V 1.0 Reference to APHA, 5210.D Resperimetric method	10-150mg/l mg/l	50± 4 mg/l 200± 6.16 mg/l
14.6		Oil & Grease	FD-MTHD-032:2013 V 1.0 Reference to APHA, 5520.B	2-100 mg/l	2.0±0.1mg/l
14.7		pH content	FD-MTHD-007:2013 V 1.0 Reference to APHA, 4500H+	1 - 14	4.00±0.13
15.1	<b>Waste Water</b>	Total Suspended Solids	FD-MTHD-009:2013 V 1.0	2 - 2500	2.4±0.5 mg/l 50± 2.56 mg/l
15.2		Total Dissolved Solids	FD-MTHD-008:2013 V 1.0	10 -2500 mg/l	10± 0.58 mg/l 209± 6.14 mg/l
15.3		Chemical Oxygen Demand	FD-MTHD-002:2013 V 1.0	5 - 1000 mg/l	17±2.45 mg/l 250±9.79 mg/l
15.4		Biological Oxygen Demand	FD-MTHD-001:2013 V 1.0	10 - 50000 mg/l	50± 4 mg/l 200± 6.16 mg/l
15.5		pH content	FD-MTHD-007:2013 V 1.0	1 - 14	4.00±0.13
15.5		Oil & Grease	FD-MTHD-032:2013 V 1.0	2-200 mg/l	4.8±0.15 mg/l
15.7		Electrical Conductivity	FD-MTHD-003:2013 V 1.0	1-12000 µS/cm	1414.6±12.21 µS/cm

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Water</b>					
16.1	Waste Water ( APEO)	Octylphenoethoxylates (OPEOs)	CPSD-AN-00556 :2014 V 7.0 ( In House Method)	5 – 1000 µg/l	5 ±0.21 µg/l 50± 2.1 µg/l
16.2		Nonylphenoethoxylates (NPEOs)		5 – 1000	5 ±0.21 µg/l 50± 2.1 µg/l
16.3		Nonylphenol (NPs)		1 - 1000 µg/l	1 ±0.14 µg/l 10± 0.6 µg/l
16.4		4-tert-Octylphenol (tert-OP)		1 - 1000µg/l	1 ±0.13 µg/l 10± 0.84µg/l
16.5		4-n-Octylphenol (n-OP)		1 - 1000 µg/l	1 ±0.11 µg/l 10± 0.73 µg/l
17.1	Waste Water ( Phthalates)	Dimethyl phthalate (DMP)	CPSD-AN-00571:2013 V 3.0 (In House Method)	2- 1000 µg/l	2 ±0.08 µg/l 10± 0.7 µg/l
17.2		Diethyl phthalate (DEP)		2- 1000 µg/l	2 ±0.09 µg/l 10± 0.76 µg/l
17.3		Di-n-propyl phthalate (DPRP)		2- 1000 µg/l	2 ±0.1 µg/l 10± 0.8 µg/l
17.4		Diisobutyl phthalate (DiBP)		2- 1000 µg/l	2 ±0.08 µg/l 10± 0.83 µg/l
17.5		Di-n-butyl phthalate (DBP)		2- 1000 µg/l	2 ±0.09 µg/l 10± 0.9 µg/l
17.6		Dicyclohexyl phthalate (DCHP)		2- 1000 µg/l	2 ±0.09 µg/l 10± 0.8 µg/l
17.7		Butyl benzyl phthalate (BBP)		2- 1000 µg/l	2 ±0.08 µg/l 10± 0.8 µg/l
17.8		Di-n-hexyl phthalate (DHP)		2- 1000 µg/l	2 ±0.07 µg/l 10± 0.8 µg/l
17.9		Di(ethylhexyl) phthalate (DEHP)		2- 1000 µg/l	2 ±0.1 µg/l 10± 0.7 µg/l
17.10		Di-n-octyl phthalate (DnOP)		2- 1000 µg/l	2 ±0.09 µg/l 10± 0.7 µg/l
17.11		Dinonyl phthalate (DNP)		1 - 1000 µg/l	2 ±0.09 µg/l 10± 0.7 µg/l
17.12		Diisooctyl phthalate (DIOP)		1 - 1000 µg/l	2 ±0.09 µg/l 10± 0.8 µg/l
17.13		Di-isononyl phthalate (DINP)		1 - 1000 µg/l	2 ±0.09 µg/l 10± 0.7 µg/l
17.14		Di-iso-decyl phthalate (DIDP)		1 - 1000 µg/l	2 ±0.09 µg/l 10± 0.7 µg/l
17.15		Dimethoxyethyl phthalate (DMEP)		1 - 1000 µg/l	2 ±0.09 µg/l 10± 0.7 µg/l

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>Water</b>					
18.1	Heavy Metals in Waste Water	Lead	CPSD-AN-00581:2013 V 7.0 ( In House Method)	0.5ug/l - 1000 µg/l	0.5 ±0.09 µg/l 100± 9 µg/l
18.2		Cadmium		0.5ug/l - 1000 µg/l	0.5 ±0.1 µg/l 100± 6 µg/l
18.3		Mercury		0.5ug/l - 1000 µg/l	0.5 ±0.03 µg/l 2± 0.05 µg/l
18.4		Cobalt		0.5ug/l - 1000 µg/l	0.5 ±0.005 µg/l 100± 6 µg/l
18.5		Nickel		0.5ug/l - 1000 µg/l	0.5 ±0.01 µg/l 100± 6 µg/l
18.6		Antimony		0.5ug/l - 1000 µg/l	0.5 ±0.09 µg/l 100± 5 µg/l
18.7		Arsenic		0.5ug/l - 1000 µg/l	0.5 ±0.02 µg/l 10± 0.5 µg/l
18.8		Copper		0.5ug/l - 1000 µg/l	0.5 ±0.04 µg/l 200± 10 µg/l
18.9		Zinc		0.5ug/l - 1000 µg/l	0.5 ±0.08 µg/l 200± 10 µg/l
19.1		Waste Water ( Pesticides Residue Analysis )		α- HCH	FD-MTHD-010: 2013 V 1.0  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German: –GC-MS/GC-ECD : 2014 V 1.0 )
19.2	β- HCH		0.04 ±0.007 µg/l 0.4± 0.04 µg/l		
19.3	γ- HCH		0.04 ±0.009 µg/l 0.4± 0.05 µg/l		
19.4	d- HCH		0.04 ±0.007 µg/l 0.4± 0.02 µg/l		
19.5	Aldrin		0.04 ±0.009 µg/l 0.4± 0.03 µg/l		
19.6	Dieldrin		0.04 ±0.007 µg/l 0.4± 0.03 µg/l		
19.7	Hepatachlorepoixide		0.04 ±0.008 µg/l 0.4± 0.02 µg/l		
19.8	α – Endosulfan		0.04 ±0.007 µg/l 0.4± 0.02 µg/l		
19.9	β- Endosulfan		0.04 ±0.007 µg/l 0.4± 0.03 µg/l		
19.10	Endosulfansulphate		0.04 ±0.007 µg/l 0.4± 0.03 µg/l		
19.11	P,p DDE		0.04 ±0.009 µg/l 0.4± 0.03 µg/l		
19.12	O,p DDT		0.04 ±0.008 µg/l 0.4± 0.03 µg/l		
19.13	P,p DDT		0.04 ±0.008 µg/l 0.4± 0.004 µg/l		

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<b>Water</b>					
19.14	Waste Water ( Pesticides Residue Analysis )	O,p DDD	FD-MTHD-010: 2013  ( Combination method of QuEChERS method & Manual of Pesticide Residue Analysis Vol I & II –Republic of German –GC-ECD-MSD: 2014 V 1.0 )	OCs- 0.04 µg/l – 100 µg/l Ops- 0.4 µg/l -400 µg/l	0.04 ±0.008 µg/l 0.4± 0.002 µg/l
19.15		p,p DDD			0.04 ±0.008 µg/l 0.4± 0.03 µg/l
19.16		Endrin			0.04 ±0.008 µg/l 0.4± 0.03 µg/l
19.17		Endrin Aldehyde			0.04 ±0.008 µg/l 0.4± 0.03 µg/l
19.18		Hexachlorobenzene			0.04 ±0.008 µg/l 0.4± 0.03 µg/l
19.19		Feniphotharin			0.04 ±0.008 µg/l 0.4± 0.02 µg/l
19.20		Chloropyrifos			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.21		Diazinon			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.22		Fenthion			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.23		Fenitrothion			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.24		Malathion			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.25		Phenthoate			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.26		Parathion methyl			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.27		Carbofuran			0.04 ±0.04 µg/l 4± 0.04 µg/l
19.28		Cypermethrin			0.4 ±0.04 µg/l 4± 0.04 µg/l
19.29		Deltamethrin			0.4 ±0.04 µg/l 4± 0.04 µg/l
19.30		Profenofos			0.4 ±0.04 µg/l 4± 0.04 µg/l
19.31		Dicofol			0.4 ±0.04 µg/l 4± 0.04 µg/l
19.32		Ethion			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.33		Propoxur			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.34		Pirimiphos methyl			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.35		Metalaxyl			0.4 ±0.04 µg/l 4± 0.06 µg/l
19.36		Dicofol			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.37		Dimethoate			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.38		Ethion			0.4 ±0.05 µg/l 4± 0.04 µg/l
19.39		Propoxur			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.40		Pirimiphos methyl			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.41		Hexaconazole			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.42		Bifenthrin			0.4 ±0.04 µg/l 4± 0.05 µg/l
19.43		Biteranol			0.4 ±0.04 µg/l 4± 0.05 µg/l

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
	<b>Cosmetics</b>				
20.1	Bathing Bar	Free caustic alkali, as Na <sub>2</sub> O	SLS 1220 -2001 (CS 27: 1968 )	0.01- 5%	0.02±0.001 %
20.2		Lather	SLS 796: 1987	100-350	150±1.001
20.3		pH of 1% solution	FD-MTHD-041: V 1.0	1.0-11.0	6.3±0.2
20.4		Total Fatty Matter	FD-MTHD-040: V 1.0	40.0-85.0%	54.17±1.6
20.5		Synthetic surface active agent	FD-MTHD-040: V 1.0	2.0-85.0%	4.54±0.15
21.1	Liquid, Gel and Cream Oxidative Hair Colours	pH	SLS 1439:2012	1.0-11.0	6.31±0.2
21.2		Active matter as PPD content	FD-MTHD-023 V 1.0	0.5-5%	1.0±0.05 ppb
21.3		Assay(as H <sub>2</sub> O <sub>2</sub> )	SLS 1439:2012	0.1 -12%	4.13±0.08%
22.1	Baby Shampoo / Hair Shampoo	Active Synthetic Anionic Ingredient	SLS 1342:2008 / SLS 1346:2008	2.0-25.0%	10.2±0.02%
22.2		pH at 27±2°C	SLS 1342:2008 / SLS 1346:2008	1.0-9.0	6.31± 0.2
22.3		Inorganic Salts	SLS 1342:2008 / SLS 1346:2008	0.5%-5.0%	1.78±0.02%
22.4		Lather Volume for 1% solution	SLS 1342:2008 / SLS 1346:2008	50-250 ml	150± 1.0 ml
23.1	Hair Oil	Acid value	SLS 1341:2008 (ISO660)	0.1 - 5	0.76 ± 0.02
23.2		Peroxide value	SLS 1341:2008 (ISO3960)	0.1-30 meq per kg	2.6 ± 0.047meq per kg

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
24.1	Cream & Lotions	Non volatile matter	SLS 743:1987	0.1-25.0%	16.12 ±0.5
24.2		pH at 27±2°C	SLS 743:1987	1.0-9.0	6.31 ± 0.2
24.3		Water content	SLS 743:1987	0.5 - 90.0%	80.46 ± 2.4
24.4		Peroxide value	FD-MTHD-039:V 1.0	0-10 Meq/kg	2.06 ±0.05Meq/kg
24.5		Thermal stability	SLS 743:1987	Pass/Fail	N/A
25.1	Hair Cream	Total Non aqueous content	SLS 611:1983	0.1-25.0%	4.5± 0.13%
25.2		pH at 27±2°C	SLS 611:1983	1.0-9.0	6.31± 0.2
25.3		Water content	SLS 611:1983	0.5- 90.0%	80.46 ± 2.41%
25.4		Peroxide value	SLS 611:1983	0-10 Meq/kg	2.0 ±0.05 Meq/kg
25.5		Thermal stability	SLS 611:1983	Pass/Fail	N/A
26.1	Lipstick and Liquid Soap	Formaldehyde (liptick)	CPSD-AN-00201 :2013 V 5.0 ( In House Method)	3 -300	3 ± 0.09 mg/kg 90 ±5.2 mg/kg
26.2		Formaldehyde ( Soap)	CPSD-AN-00201 :2013 V 5.0 ( In House Method)	3 -300	3 ± 0.08 mg/kg 90 ±4.5 mg/kg
27.1	Heavy Metals in Cosmetics	Arsenic	CPSD AN -00352 : 2013 V 5.0 / In House Method	0.04 -10 mg/kg	0.04 ± 0.001mg/kg 0.06 ± 0.012mg/kg
27.2		Lead		0.07 -20 mg/kg	0.07 ± 0.009 mg/kg 0.06 ± 0.012mg/kg
27.3		Mercury		0.01 -5 mg/kg	0.01 ± 0.001mg/kg 0.1 ± 0.05mg/kg
27.4		Cadmium		0.04 - 10 mg/kg	0.04 ± 0.004mg/kg 0.6 ± 0.012mg/kg
27.5		Nickel		0.3 - 10 mg/kg	0.3 ± 0.04mg/kg 0.6 ± 0.01mg/kg
27.6		Cobalt		0.3 - 10mg/kg	0.3 ± 0.04mg/kg 0.06 ± 0.08mg/kg



SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
<b>General Textiles Cotton/Polyester/Blend</b>					
28.1	General Textiles Cotton/Polyester/Blend	Determining Banned Aryl Amines( Azo dyes) in Textile	<b>CPSD-AN-00607: 2014 V 10</b> based on methods 1. EN 14362-1:2012 2. 64 LFGB 82.02-2:2004 + <b>CPSD-AN-00272: 2014 V 20</b> based on methods: 1. GBT 17592:2006 2. <b>GB 19601:2004</b> + <b>CPSD-AN-00107: 2014 V 26</b> based on methods 1. 64 LFGB B 82.02-9:2006 2. GB/T 23344:2009 3. ISO 17234-2:2011	0.1-300 mg/kg	2.55 at 12.29 mg/kg
28.2		O- Toluidine		0.1-300 mg/kg	2.53 at 12.48 mg/kg
28.3		2,4- Xylidine		0.1-300 mg/kg	2.47 at 12.47 mg/kg
28.4		2,6 –Xylidine		0.1-300 mg/kg	2.39 at 12.43 mg./kg
28.5		2- Methoxyaniline		0.1-300 mg/kg	2.24 at 12.38 mg/kg
28.6		p-Chloroaniline		0.1-300 mg/kg	2.47 at 12.32 mg/kg
28.7		p-Kresidine		0.1-300 mg/kg	2.66 at 13.45 mg/kg
28.8		2,4,5- Trimethylaniline		0.1-300 mg/kg	1.80 at 13.33 mg/kg
28.9		4- Chloro-o-Toluidine		0.1-300 mg/kg	1.98 at 13.06 mg/kg
28.10		2,4- Touylenediamine		0.1-300 mg/kg	2.00 at 13.25 mg/kg
28.11		2,4- Diaminoanisole		0.1-300 mg/kg	1.59 at 14.26 mg/kg
28.12		2-Naphthylamine		0.1-300 mg/kg	1.55 at 14.20 mg/kg
28.13		2-Amino-4 nitrotoluene		0.1-300 mg/kg	2.23 at 13.63 mg/kg
28.14		4-aminoazobenzene		0.1-300 mg/kg	1.12 at 14.14 mg/kg
28.15		4-Aminodiphenyl		0.1-300 mg/kg	2.35 at 13.28 mg/kg
28.16		4,4- Oxydianiline		0.1-300 mg/kg	2.58 at 12.46 mg/kg
28.17		Benzidine		0.1-300 mg/kg	1.43 at 13.3 mg/kg
28.18		4,4- Diaminodiphenylmethane		0.1-300 mg/kg	2.08 at 13.15 mg/kg
28.19		O-aminoazotoluene		0.1-300 mg/kg	1.79 at 13.85mg/kg
28.20		3,3-Dimethyl-4,4-diaminodiphenylmethane		0.1-300 mg/kg	2.26 at 13.5 mg/kg
28.21		3,3-Dimethylbenzidine		0.1-300 mg/kg	1.90 at 12.99 mg/kg
28.22		4,4-Thiodianiline		0.1-300 mg/kg	1.61 at 14.41 mg/kg
28.23		3,3-Dichlorobenzidine		0.1-300 mg/kg	2.55 at 12.29 mg/kg
28.24		4,4-Methylene-bis-(2-Chloroaniline)		0.1-300 mg/kg	2.53 at 12.48 mg/kg
28.25		3,3-Dimethoxybenzidine		0.1-300 mg/kg	2.47 at 12.47 mg/kg