



Valid from 10 March 2021
to 09 March 2024
Issued on 10 March 2021

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 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, Residues in Food products and water, Water, Waste water, Cosmetics and essential oils, Textile and related products and Fertilizer as per SLS, AOAC, APHA, ISO and in-house methods.

The laboratory is accredited for the following tests.

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
Food and Agricultural Products				
1.1	Tea Black, Green, Herbal , flavored tea, and tea products	Crude Fiber Content	SLS 28 Part 8 :2008 Reference to ISO 15598: 1999	1-30%
		Loss in Mass at 103°C	SLS 28 Part 2 :2008 Reference to ISO 1573:1980	1-20%
		Water Soluble Ash	SLS 28 Part 4 :2008 Reference to ISO 1576:1988	1-80%
		Water Extract	SLS 28 Part 7 :2008 Reference to ISO 9768: 1994	1-70%
		Acid Insoluble Ash	SLS 28 Part 5:2008 Reference to ISO 1577:1987	0.05-10%
		Alkalinity of Water Soluble Ash	SLS 28 Part 6:2008 Reference to ISO 1578:1975	0.5-10.0%
		Total Ash	SLS 28 Part 3:2008 Reference to ISO 1575:1987	1.0-15.0%
		Water In-soluble Ash	SLS 28 Part 4 :2008 Reference to ISO 1576:1988	1-20%

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1.1	Tea Black, Green, Herbal, flavored tea, and tea products	Arsenic	AOAC 2015.01	0.1 mg/kg – 100 mg/kg
		Lead		0.1 mg/kg – 100 mg/kg
		Mercury		0.1 mg/kg-50 mg/kg
		Cadmium		0.1 mg/kg – 2 mg/kg
		Zinc	AOAC 999-10	4 mg/kg – 100 mg/kg
		Copper		4 mg/kg – 100 mg/kg
		Iron		4 mg/kg – 500 mg/kg
1.2	Edible Fats & Oil (coconut oil, palm oil, palm olein, palm sterain, palm kernel oil, sunflower seed oil)	Iodine Value	SLS 313: Part 2/Section 2:2019 Reference to ISO 3961:2018	4-200
		Peroxide Value	SLS 313: Part 3/Section 7:2017 Reference to ISO 3960: 2017	0.1-30 meq per kg
		Acid value & Free Fatty Acid	SLS 313: Part 2/Section 6:2009 Reference to ISO 660:2009	0.01 -10%
		Saponification Values	SLS 313: Part 2/Section 1:2014 Reference to ISO 3657:2013	150-300
		Moisture and volatile matter	SLS 313: Part 3/Section 5:2016 Reference to ISO 662:2016	3%
		Refractive Index	SLS 313 PART 1-Sec 5: 2017 Reference to ISO 6320:2017	1.3000- 1.7000 nD
		DBP	CPSD-AN-00524 :2013 MTHD: V2 (In House Method)	0.15-100 mg/kg
		BBP		0.3-100 mg/kg
		DEHP		0.3-100 mg/kg
		DnOP		0.3-100 mg/kg
		DINP		0.3-100 mg/kg
		DIDP		0.3-100 mg/kg
1.3	Spices, Condiments and spice products	Moisture Content	SLS 186-5 :2008 Reference to ISO 939-1980	0.5-25.0%
		Volatile Oil	SLS 186-11 :2008 Reference to ISO 6571-2008	0.1-25.0%
		Acid Insoluble Ash	SLS 186 Part 4:2008; Reference to ISO 930:1997	0.05-10%
		Total Ash	SLS 186 Part 3 :2008 Reference to ISO 928-1997	0.1-15.0%
		Sulphur dioxide	FD-MTHD-0038:2016 V2/AOAC 990.28	10 – 400mg/kg
		Sudan Red 1	CPSD-AN-00364:2013 V2 MTHD Reference to GB/T 19681-2005 “Sudan Red in food by HPLC”	0.01-5 mg/kg
		Sudan Red 2		
		Sudan Red 3		
		Sudan Red 4		
		Arsenic	AOAC 2015.01	0.1 mg/kg – 100 mg/kg
		Lead		0.1 mg/kg – 100 mg/kg
		Mercury		0.1 mg/kg-50 mg/kg
		Cadmium		0.1 mg/kg – 2 mg/kg
		Zinc	AOAC 999-10	4 mg/kg – 100 mg/kg
		Copper		4 mg/kg – 100 mg/kg
Iron	4 mg/kg – 500 mg/kg			
1.4	Tea, Herbs, Spices, Nuts, cereals, Grains, coffee	Aflatoxin B1, B2, G1, G2	ASTA Method 24.2 AOAC 991.31	B1 – 0.2- 200 µg/kg
				B2 – 0.05- 200 µg/kg
				G1 – 0.2- 200 µg/kg
				G2 – 0.05- 200 µg/kg
				Total – 0.2- 200 µg/kg

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1.5	Peanut, Chicken, Egg, Animal Feeds	Aflatoxin B1, B2, G1, G2	ASTA Method 24.2 AOAC 991.31	B1 – 0.2- 200 µg/kg
				B2 – 0.05- 200 µg/kg
				G1 – 0.2- 200 µg/kg
				G2 – 0.05- 200 µg/kg
				Total – 0.2- 200 µg/kg
1.6	Oil, butter	Aflatoxin B1, B2, G1, G2	AOAC 991.31	B1 – 2- 200 µg/kg
				B2 – 0.5- 200 µg/kg
				G1 – 2- 200 µg/kg
				G2 – 0.5- 200 µg/kg
				Total – 2- 200 µg/kg
1.7	Milk and Dairy product	Aflatoxin M1	AOAC 2000.08	0.02-100 µg/kg
1.8	Fruit Drinks, Juice, quash, Beverages, Fruit Syrup Cordials, fruit pulps and Fruit Jam	Acidity (as anhydrous citric acid)	SLS 221 / 729 / 730 :2010, Appendix C	0.05-10.0%
		Benzoic acid	CPSD-AN-00322-: 2013 V2.0 MTHD - SOLVENT EXTRACTION	5-1000 mg/kg
		Sorbic acid		
		Sulphur dioxide	AOAC 990:28	10 - 200mg/kg
1.9	Carbonated, Non-Carbonated & Alcoholic Beverages	Carbonation value	SLS 183:2013 (Appendix G)	0.6- 5.0 gas volume /min
1.10	Fish, Fishery products, Sea food Sea Food products	Histamine	FD-MTHD-036	1-1000 mg/kg
1.11	Pepper Black pepper, White pepper	Piperine	SLS 186 part 9 :2008 reference to ISO 5564 :1982	3 - 7 %
1.12	Wheat Flour	Protein	SLS 144: 2019 Appendix D	1-20 %
		pH	SLS 144: 2003 Appendix A - A.6 (In 2019 version pH not included)	1-14
		Moisture	SLS 144: 2019 Appendix A	0.1 – 15 %
		Wet Gluten	SLS 144: 2019 ISO 21415: Part 1 or 2: 2018	2-40%
		Ash	SLS 144: 2019 Appendix B	0.1-10%
1.13	Salt	Moisture	SLS 79:2019 Appendix B	0.1 - 10%
		Matter insoluble in water on dry basis	SLS 79:2019 Appendix D	0.1 - 10%
1.14	Desiccated coconut	Moisture	SLS 98:2013 Appnd D	0.1 -10%
		Oil content	AOAC 948.22 (As per SLS 98:2013)	10 - 80 %
		Total Acidity as Lauric acid	SLS 313:Part 02/Section 06 (As per SLS 98:2013)	0.1 - 3%
		Total ash	AOAC 950.49 (As per SLS 98:2013)	0.1 - 10%

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1.15	Confectionary and Breakfast Cereal	Total Sugar	SLS 586: 1982	0.1-100 %
		Sucrose Content		0.1-80 %
1.16	Milk and Milk Products	Sugar Content	SLS 735: Part 6:1989	0.1-100 %
1.17	Fruits and Vegetable	Total Soluble Solid	SLS 1332:Part 02 :2008	0.1 – 100%
Water				
2.1	Water Drinking water, processing water, potable water, Bottled water, raw water, Mineral water, Sparkling water Distilled water	Total Dissolved Solids	APHA 23rd ed: 2017: 2540 C	1 -2000 mg/l
		Total Suspended Solids	APHA 23rd ed: 2017: 2540 D	1-200 mg/l
		Electrical Conductivity	APHA 23rd ed: 2017; 2510 B	1-1000 µS/cm
		Chemical Oxygen Demand	APHA 23rd ed: 2017: 5220.D	3-1500 mg/l
		Oil & Grease	APHA 23rd ed: 2017: 5520.B	0.1-10 mg/l
		pH content	APHA 23rd ed: 2017: 4500H+B	1 – 14
		Chloride	APHA 23rd ed: 2017; 4500 Cl-B	0.2 - 1000 mg/l
		Sulphate	APHA 23rd ed: 2017; 4500 SO4-2 E	1-40 mg/l
		Alkalinity	APHA 23rd ed: 2017: 2320 B	0.5 - 500 mg/l
		Total Hardness	APHA 23rd ed: 2017: 2340 C	0.5 - 500 mg/l
		Fluoride	APHA 23rd ed: 2017: 4500 F-C	0.1 -100 mg/l
		Phosphorus	APHA 23rd ed: 2017: 4500 P-C	0.05-5 mg/l
		Turbidity	APHA 23rd ed: 2017: 2130 B	0.1 - 800 NTU
		Calcium as Ca	APHA 23rd ed: 2017; 3500 Ca B	0.2 - 500 mg/l
		Magnesium as Mg	APHA 23rd ed: 2017; 3500 Mg B	0.1 - 500 mg/l
		Chromium as Cr	APHA 23rd ed: 2017: 3125 B	1ug/l - 1000 µg/l
		Nickel as Ni		1ug/l - 1000 µg/l
		Iron as Fe		1ug/l - 1000 µg/l
		Lead as Pb		1ug/l - 1000 µg/l
		Cadmium as Cd		0.1ug/l - 1000 µg/l
		Copper as Cu		1ug/l - 1000 µg/l
		Zinc as Zn		1ug/l - 1000 µg/l
		Silver as Ag		1ug/l - 1000 µg/l
		Barium as Ba		1ug/l - 1000 µg/
		Boron as B		1ug/l - 1000 µg/
		Arsenic as As		1ug/l - 1000 µg/
		Antimony as Sb		1ug/l - 1000 µg/
Cobolt as Co	1ug/l - 1000 µg/			
Mercury as Hg	0.05ug/l - 1000 µg/l			
Sodium as Na	100ug/l - 28500 µg/l			
Pottasium as K	100ug/l - 28500 µg/l			

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Waste water				
3.1		Total Dissolved Solids	APHA 23rd ed: 2017: 2540 C	1 -2000 mg/l
		Total Suspended Solids	APHA 23rd ed: 2017: 2540 D	1-200 mg/l
		Electrical Conductivity	APHA 23rd ed: 2017; 2510 B	1-1000 µS/cm
		Chemical Oxygen Demand	APHA 23rd ed: 2017: 5220.D	3-1500 mg/l
		Biological Oxygen Demand	APHA 23rd ed: 2017: 5210.D	5-600 mg/l
		Oil & Grease	APHA 23rd ed: 2017: 5520.B	2-10 mg/l
		pH content	APHA 23rd ed: 2017: 4500H+B	1 - 14
		Chloride	APHA 23rd ed: 2017; 4500 Cl- B	0.2 - 1000 mg/l
		Sulphate	APHA 23rd ed: 2017; 4500 SO4-2 E	1-40 mg/l
		Alkalinity	APHA 23rd ed: 2017: 2320 B	0.5 - 500 mg/l
		Total Hardness	APHA 23rd ed: 2017: 2340 C	0.5 - 500 mg/l
		Fluoride	APHA 23rd ed: 2017: 4500 F- C	0.1 -100 mg/l
		Phosphorus	APHA 23rd ed: 2017: 4500 P- C	0.05-5 mg/l
		Turbidity	APHA 23rd ed: 2017: 2130 B	0.1 - 800 NTU
		Calcium as Ca	APHA 23rd ed: 2017; 3500 Ca B	0.2 - 500 mg/l
		Magnesium as Mg	APHA 23rd ed: 2017; 3500 Mg B	0.1 - 500 mg/l
		Phenolic compound	APHA 23rd ed: 2017; 5530 D	0.001-100 mg/l
		Sulfide	APHA 23rd ed: 2017; 4500 S ²⁻	0.01-100 mg/l
		Sulphite	APHA 23rd ed: 2017; 4500 SO ₃	0.01-100 mg/l
3.2	Waste Water	Chromium as Cr	CPSD-AN-00581:2019 V 15	1ug/l - 1000 µg/l
		Nickel as Ni		1ug/l - 1000 µg/l
		Iron as Fe		1ug/l - 1000 µg/l
		Lead as Pb		1ug/l - 1000 µg/l
		Cadmium as Cd		0.1ug/l - 1000 µg/l
		Copper as Cu		1ug/l - 1000 µg/l
		Zinc as Zn		1ug/l - 1000 µg/l
		Silver as Ag		1ug/l - 1000 µg/l
		Barium as Ba		1ug/l - 1000 µg/
		Boron as B		1ug/l - 1000 µg/
		Arsenic as As		1ug/l - 1000 µg/
		Antimony as Sb		1ug/l - 1000 µg/
		Cobolt as Co		1ug/l - 1000 µg/
		Mercury as Hg		0.05ug/l - 1000 µg/l
3.3		APEO		
		4-n-nonyphenol	CPSD-AN-00556:2020 V14	1 – 1000 µg/l
		Nonylphenoethoxyltes (NPEOs)		1 – 1000 µg/l
		Nonylphenol (NPs)		1 – 1000 µg/l
		4-tert-Octylphenol (tert-OP)		1 – 1000 µg/l
		4-n-Octylphenol (n-OP)		1 – 1000 µg/l
Octylphenoethoxylates (OPEOs)	1 – 1000 µg/l			
3.4		Phthalates		
		Dimethyl phthalate (DMP)	CPSD-AN-00571:2019 V13	1 - 1000 µg/l
		Diethyl phthalate (DEP)		1 - 1000 µg/l
		Di-n-propyl phthalate (DPRP)		1 - 1000 µg/l
		Diisobutyl phthalate (DiBP)		1 - 1000 µg/l
		Di-n-butyl phthalate (DBP)		1 - 1000 µg/l
		Dicyclohexyl phthalate (DCHP)		1 - 1000 µg/l
		Butyl benzyl phthalate (BBP)		1 - 1000 µg/l
Di-n-hexyl phthalate (DHP)	1 - 1000 µg/l			

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3.4	Waste Water	Di (ethylhexyl) phthalate (DEHP)	CPSD-AN-00571:2019 V13	1 - 1000 µg/l
		Di-n-octyl phthalate (DnOP)		1 - 1000 µg/l
		Dinonyl phthalate (DNP)		1 - 1000 µg/l
		Diisooctyl phthalate (DIOP)		1 - 1000 µg/l
		Di-isononyl phthalate (DINP)		1 - 1000 µg/l
		Di-iso-decyl phthalate (DIDP)		1 - 1000 µg/l
		Dimethoxyethyl phthalate (DMEP)		1 - 1000 µg/l
		Di-iso-pentyl phthalate (DiPP)		1 - 1000 µg/l
		di-n-pentyl phthalate (DnPP)		1 - 1000 µg/l
		n-pentyl iso-pentyl phthalate (PiPP)		1 - 1000 µg/l
		1,2-benzenedicarboxylic acid, di-C6-8 branched alkyl esters, C7-rich (DIHePp)		1 - 1000 µg/l
		Butyl Octyl Phthalate(BOP)		1 - 1000 µg/l
		Diundecyl Phthalate (DUP)		1 - 1000 µg/l
3.5	AZO Dye	4-aminobiphenyl	CPSD-AN-00574:2019 V11	0.1 -1000ug/L
		Benzidine		0.1 -1000ug/L
		4-chloro-o-toluidine		0.1 -1000ug/L
		2-naphthylamine		0.1 -1000ug/L
		p-chloroaniline		0.1 -1000ug/L
		2,4-diaminoanisole		0.1 -1000ug/L
		4,4'-diamino-diphenylmethane		0.1 -1000ug/L
		3,3'-dichlorobenzidine		0.1 -1000ug/L
		3,3'-dimethylbenzidine		0.1 -1000ug/L
		3,3'-dimethyl-4,4'-diamino-diphenylmethane		0.1 -1000ug/L
		p-cresidine,		0.1 -1000ug/L
		4,4'-methylene-bis-(2-chloroaniline)		0.1 -1000ug/L
		4,4'-oxydianiline		0.1 -1000ug/L
		4,4'-thiodianiline,		0.1 -1000ug/L
		o-toluidine		0.1 -1000ug/L
		2,4-toluylenediamine		0.1 -1000ug/L
		2,4,5-trimethylaniline		0.1 -1000ug/L
		2-methoxyaniline		0.1 -1000ug/L
		2,4-xylidine		0.1 -1000ug/L
		2,6-xylidine		0.1 -1000ug/L
		Aniline		0.1 -1000ug/L
		1,4-phenylenediamine		0.1 -1000ug/L
		4-aminoazobenzene		0.1 -1000ug/L
		2-Chloroaniline		0.1 -1000ug/L
		5-Nitro-o-anisidine		0.1 -1000ug/L
		m-Toluidine		0.1 -1000ug/L
		N,N-Diethylaniline		0.1 -1000ug/L
		N-Ethylaniline		0.1 -1000ug/L
		N-Methylaniline		0.1 -1000ug/L
		p-Toluidine		0.1 -1000ug/L
		3,3'-dimethylbenzidine		.1 -1000ug/L
		o-aminoazotoluene		.1 -1000ug/L

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3.5	Waste Water	Chloro Benzene and Toluene		
		Chlorobenzene	CPSD-AN-00576:2019 V15	0.02 -1000 ug /L
		1,2-Dichlorobenzene		0.02 -1000 ug/L
		1,3&1,4-Dichlorobenzene		0.02 -1000 ug/L
		1,2,3-Trichlorobenzene		0.02 -1000 ug/L
		1,2,4-Trichlorobenzene		0.02 -1000 ug/L
		1,3,5-Trichlorobenzene		0.02 -1000 ug/L
		1,2,3,4-Tetrachlorobenzene		0.02 -1000 ug/L
		1,2,3,5&1,2,4,5-Tetrachlorobenzene		0.02 -1000 ug/L
		Pentachlorobenzene		0.02 -1000 ug/L
		Hexachlorobenzene		0.02 -1000 ug/L
		2&3&4-Chlorotoluene		0.02 -1000 ug/L
		2,3&3,4-Dichlorotoluene		0.02 -1000 ug/L
		2,4&2,5&2,6-Dichlorotoluene		0.02 -1000 ug/L
		Pentachlorotoluene		0.02 -1000 ug/L
		α ,2,6-Trichlorotoluene		0.02 -1000 ug/L
		α ,2,4-Trichlorotoluene		0.02 -1000 ug/L
		α ,3,4-Trichlorotoluene		0.02 -1000 ug/L
α , α , α -2-Tetrachlorotoluene		0.02 -1000 ug/L		
α , α ,2,6-Tetrachlorotoluene		0.02 -1000 ug/L		
3.6		Chlorophenol		
		Pentachlorophenol	CPSD-AN-00578:2019 V11 (In house method)	0.5 -1000ug/L
		o-phenylphenol		0.5 -1000ug/L
		2,3,4,5-Tetrachlorophenol		0.5 -1000ug/L
		2,3,4,6-Tetrachlorophenol		0.5 -1000ug/L
		2,3,5,6-Tetrachloropheno		0.5 -1000ug/L
		3,5-Dichlorophenol		0.5 -1000ug/L
		2,3-Dichlorophenol		0.5 -1000ug/L
		3,4-Dichlorophenol		0.5 -1000ug/L
		2-Chlorophenol,		0.5 -1000ug/L
		3-Chloropheno		0.5 -1000ug/L
		4-Chlorophenol		0.5 -1000ug/L
		2,4,6-Trichlorophenol		0.5 -1000ug/L
		2,3,5-Trichlorophenol		0.5 -1000ug/L
		2,4,5-Trichlorophenol		0.5 -1000ug/L
		2,3,6-Trichlorophenol		0.5 -1000ug/L
		2,3,4-Trichloropheno		0.5 -1000ug/L
		3,4,5-Trichlorophenol		0.5 -1000ug/L
3.7		Poly Aromatic Hydrocarbon		
		Naphthalene	CPSD-AN-00576:2019 V15 (In house method)	1-1000 ug/L
		Acenaphthylene		1-1000 ug/L
		Acenaphthene		1-1000 ug/L
		Fluorene		1-1000 ug/L
		Phenanthrene		1-1000 ug/L
		Anthracene		1-1000 ug/L
		Fluoranthene		1-1000 ug/L
		Pyrene		1-1000 ug/L
		Benzo[a]anthracene		1-1000 ug/L
		Chrysene		1-1000 ug/L

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3.7	Waste Water	Benzo[a]pyrene	CPSD-AN-00576:2019 V15 (In house method)	1-1000 ug/L
		Benzo[e]pyrene		1-1000 ug/L
		Benzo[g,h,i]perylene		1-1000 ug/L
		Benzo[b,j,k]fluoranthene		1-1000 ug/L
		Dibenzo[a,h]Anthracene		1-1000 ug/L
		Indeno[1,2,3-cd]pyrene		1-1000 ug/L
3.8	Waste Water	Organo Tin	CPSD-AN-00575:2019 V13 (In house method)	
		Monobutyltin		0.01-1000 ug/L
		Dibutyltin		0.01-1000 ug/L
		Tributyltin		0.01-1000 ug/L
		Tetrabutyltin		0.01-1000 ug/L
		Monooctyltin		0.01-1000 ug/L
		Diocyltin		0.01-1000 ug/L
		Triocyltin		0.01-1000 ug/L
		Tripropyltin		0.01-1000 ug/L
		Triphenyltin		0.01-1000 ug/L
		Tricyclohexyltin		0.01-1000 ug/L
		Trimethyl tin		0.01-1000 ug/L
		Dimethyl tin		0.01-1000 ug/L
		Diphenyl tin		0.01-1000 ug/L
		Dipropyl tin		0.01-1000 ug/L
Phenyltriethyl tin	0.01-1000 ug/L			
3.9	Waste Water	Dyes	CPSD-AN-00799:2019 V5	
		Disperse Blue 1		15 -1000µg/L
		Disperse Blue 3		15 -1000µg/L
		Disperse Blue 7		15 -1000µg/L
		Disperse Blue 26		15 -1000µg/L
		Disperse Blue 35		15 -1000µg/L
		Disperse Blue 102		15 -1000µg/L
		Disperse Blue 106		15 -1000µg/L
		Disperse Blue 124		15 -1000µg/L
		Disperse Red 1		15 -1000µg/L
		Disperse Red 11		15 -1000µg/L
		Disperse Red 17		15 -1000µg/L
		Disperse Orange 1		15 -1000µg/L
		Disperse Orange 3		15 -1000µg/L
		Disperse Orange 11		15 -1000µg/L
		Disperse Orange 37/76/59		15 -1000µg/L
		Disperse Orange 149		15 -1000µg/L
		Disperse Yellow 1		15 -1000µg/L
		Disperse Yellow 3		15 -1000µg/L
		Disperse Yellow 7		15 -1000µg/L
		Disperse Yellow 9		15 -1000µg/L
		Disperse Yellow 23		15 -1000µg/L
		Disperse Yellow 39		15 -1000µg/L
		Disperse Yellow 49		15 -1000µg/L
		Disperse Yellow 56		15 -1000µg/L
		Solvent Yellow 1		15 -1000µg/L
Solvent Yellow 2	15 -1000µg/L			

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3.9	Waste water	Solvent Yellow 3	CPSD-AN-00799:2019 V5	15 -1000µg/L
		Solvent Yellow 14		15 -1000µg/L
		Disperse Brown 1		15 -1000µg/L
		Solvent red 23		15 -1000µg/L
		Basic Red 9		15 -1000µg/L
		Basic Violet 14		15 -1000µg/L
		Basic violet 1		15 -1000µg/L
		Basic violet 3		15 -1000µg/L
		Acid Red 26		15 -1000µg/L
		Acid Red 114		15 -1000µg/L
		Direct Black 38		15 -1000µg/L
		Direct Blue 6		15 -1000µg/L
		Direct Red 28		15 -1000µg/L
		Direct Brown 95		15 -1000µg/L
Acid Violet 49	15 -1000µg/L			
Navy Blue	15 -1000µg/L			
Cosmetics and essential oils				
4.1	Liquid, Gel and Cream Oxidative Hair Colors	pH	SLS 1439:2012	1.0-14.0
		Active matter as PPD content	FD-MTHD-023 2014 V 3.0	0.1-5%
4.2	Baby Shampoo / Hair Shampoo	pH at 27±2°C	SLS 1342:2018 Appendix C / SLS 1346:2018 Appendix D	1.0-14.0
		Inorganic Salts	SLS 1342:2018 Appendix D /SLS 1346:2018 Appendix E	0.02-10%
		Formaldehyde	CPSD-AN-00201 :2020 V8 (In House Method)	3 -300ppm
		Active Synthetic Anionic Ingredient	SLS 1342:2018 Appendix B / SLS 1346:2018 Appendix B	1-30%
4.3	Hair Oil	Acid value	SLS 313 Part 2 -Section 6 :2009/ ISO 660 (As per SLS 1341:2008)	0.01 – 5%
		Peroxide value	ISO 3960:2017 (As per SLS 1341:2008)	0.05-30 meq per kg
4.4	Cream & Lotions	Non volatile matter	SLS 743:2014 Appendx B	0.02-80%
		pH at 27±2°C	C.3 of SLS 611 : 1983 (As per SLS 743: 2014)	1.0-14.0
		Water content	C.5 of SLS 611 : 1983 (As per SLS 743: 2014)	3-90%
		Peroxide value	C.6 of SLS 611 : 1983 (As per SLS 743: 2014)	0.05-10 Meq/kg
		Thermal stability	C.2 of SLS 611 : 1983 (As per SLS 743: 2014)	Pass/Fail
		Formaldehyde	CPSD-AN-00201 :2020 V8 (In House Method)	3 -300ppm
4.5	Hair Cream	pH at 27±2°C	C.3 of SLS 611 : 1983	1.0-14.0
		Water content	C.5 of SLS 611 : 1983	3-90%
		Peroxide value	C.6 of SLS 611 : 1983	0.05-10 Meq/kg
		Thermal stability	C.2 of SLS 611 : 1983	Pass/Fail
4.6	Lipstick and Liquid Soap	Formaldehyde (liptick)	CPSD-AN-00201 :2020 V8 (In House Method)	3 -300ppm
		Formaldehyde (Soap)		3 -300ppm

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
4.7	All Cosmetics	Arsenic	CPSD AN -00352: 2018 V 9.0 (In House Method)	0.05 -1000 mg/kg
		Lead		0.05 -1000 mg/kg
		Mercury		0.07 -1000 mg/kg
		Cadmium		0.05- 1000 mg/kg
		Nickel		0.05 - 1000 mg/kg
		Cobalt		0.05 - 1000mg/kg
4.8	Toothpaste	Fluoride content	SLS 275:2014 Appendix J	10 -10000ppm
		pH of aqueous suspension	SLS 275:2014 Appendix G	1-14
		Moisture and volatile matter	SLS 275:2014 Appendix F	5-75 %
4.9	Shaving Cream	Water Content	C.5 of SLS 611: 1983	1-90%
		pH	C.3 of SLS 611: 1983	1-14
		Non Volatile Matter	SLS 796:1987 Appendix A	0.1 – 90%
		Free Caustic Alkali	SLS 796:1987 Appendix C	Pass/Fail
		Lather Volume	SLS 796:1987 Appendix B	5 – 150 ml
		Stability	SLS 796:1987 Appendix D	Pass/Fail
4.10	Toilet Soap	Total Fatty Matter	SLS 34:2009 Appendix C	5 – 90 %
		Total free Alkali	SLS 1391-Part 2:2009	0.02 – 2 %
		Chlorides	SLS 1391-Part 6:2009	0.02 – 5%
		Free Caustic Alkali	SLS 1391-Part 3:2009	-2%
		Matter on soluble in Ethanol	SLS 1391-Part 5:2009	0.02-5 %
4.11	Bathing Bar	Total Fatty Matter	SLS 1220:2016 Appendix D	5 – 90 %
		Free Caustic Alkali	SLS 1391-Part 3:2009	0.01 – 2%
4.12	Liquid Toilet Soap	Total Fatty Matter	SLS 34:2009 Appendix C	5 – 60 %
		pH	SLS 1142:2009 Appendix B	1 – 14
		Matter on soluble in Ethanol	SLS 1391-Part 5:2009	0.02 – 5%
		Total free Alkali	SLS 1391-Part 2:2009	0.04 – 2%
Fertilizer				
5.1	Ground Rock - Phosphate	Total phosphorus as P ₂ O ₅ , percent by mass	SLS 645 Part 5:1985	0.1-50 %
		Moisture percent by mass	SLS 645 Part 2:1984 Method 1	0.05- 50 %
5.2	Triple super phosphate	Moisture ,percent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Total phosphorous as P ₂ O ₅ ,percent by mass	SLS 645 part 5:1985	0.1-50 %
		Water soluble phosphorous as P ₂ O ₅ ,percent by mass	SLS 645 part 5:1985	1-95 %
		Free phosphoric acid as P ₂ O ₅ ,percent by mass	SLS 812:2014 Appendix B	0.2 -50%
5.3	Ammonium Chloride	Moisture, percent by mass	SLS 645 Part 2 :1984 Method 2	0.05- 50 %
		Ammonical Nitrogen as N ,percent by mass	SLS 645 Part 1:2009 Section B	0.1-50%
5.4	Single super phosphate	Moisture ,percent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Total phosphorous as P ₂ O ₅ ,percent by mass	SLS 645 part 5:1985	0.1-50 %
		Water soluble phosphorous of the total phosphorous as P ₂ O ₅ percent by mass	SLS 645 part 5:1985	1-95 %
		Free phosphoric acid as P ₂ O ₅ ,percent by mass	SLS 1318:2007 Appendix B	0.2 -50%
5.5	Ammonium phosphate	Total Nitrogen percent by mass	SLS 645 Part 1:2009: Section C	0.1-50%
		Total phosphorus as P ₂ O ₅ ,percent by mass	SLS 645 part 5:1985	0.1-50 %
		Water Soluble phosphorous as P ₂ O ₅ , percent by mass	SLS 645 part 5:1985	1-95 %
		Moisture ,percent by mass	SLS 645 part 2:1984 Method 2	0.05- 50 %

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5.6	Potassium Sulphate	Potash content as (K ₂ O) ,percent by mass	SLS 645 part 4 Part 4 :1989 Section 1	0.1-70%
		Moisture ,percent by mass	SLS 645 Part 2:1984: Method 1	0.05- 50 %
		Sodium as NaCl ,percent by mass	SLS 645 Part 7:1994 :Section 1	0.1-20%
5.7	Epsom salt	Magnesium as MgO ,per cent by mass	SLS 645 Part 6:1990:Section 1	0.1-30 %
		Mineral acid soluble sulfate content, as SO ₃ percent by mass	SLS 1105:1995 Appendix B	1- 90 %
		Matter insoluble in water, percent by mass	SLS 1105:1995 Appendix C	0.1-99%
5.8	Magnesium Sulphate monohydrate	Magnesium as MgO ,per cent by mass	SLS 645 Part 6:1990:Section 1	0.1-30 %
		Mineral acid soluble sulfate content, as SO ₃ per cent by mass	SLS1104:2014 Appendix C	1- 90 %
		Moisture, per cent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Calcium content as CaO ,per cent by mass	SLS 645 Part 6:1990: Section 1	0.1- 50%
		Water solubility ,per cent by mass	SLS 1104:2014 Appendix D	1- 99 %
5.9	Ammonium sulphate	Moisture ,per cent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Ammonical nitrogen content, on dry basis, per cent by mass,	SLS 645 Part 1:2009:Section B	0.1-50%
5.10	Urea	Moisture ,per cent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Total nitrogen as N ,per cent by mass	SLS 645 Part 1:2009: Section C	0.1- 60 %
		Biuret Content ,per cent by mass	SLS 645 Part 3: 2009 Method 2	0.05- 10%
5.11	Murate of potash (MOP)	Moisture ,per cent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Potash Content as K ₂ O,per cent by mass	SLS 645 Part 4:1989 Section 1	0.1-70%
		Sodium as NaCl ,per cent by mass	SLS 645 part 7:1994 Section 1	0.1-20 %
5.12	All Fertilizer	Arsenic	AOAC 2006:03	0.05 -500 mg/kg
		Copper		0.05 -400mg/kg
		Lead		0.05-250 mg/kg
		Mercury		0.05-2 mg/kg
		Cadmium		0.05 – 10 mg/kg
		Nickel		0.05 - 100 mg/kg
		Cobalt		0.05 -1000mg/kg
		Chromium		0.05 -1000mg/kg
		Zinc		0.05 -1000mg/kg
Sludge				
6.1	Sludge	Azo Dye		
		4-aminobiphenyl	CPSD-AN-00574:2019 V11	0.1 -1000mg/kg
		Benzidine		0.1 -1000mg/kg
		4-chloro-o-toluidine		0.1 -1000mg/kg
		2-naphthylamine		0.1 -1000mg/kg
		p-chloroaniline		0.1 -1000mg/kg
		2,4-diaminoanisole		0.1 -1000mg/kg
		4,4'-diamino-diphenylmethane		0.1 -1000mg/kg
		3,3'-dichlorobenzidine		0.1 -1000mg/kg
		3,3'-dimethylbenzidine		0.1 -1000mg/kg

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6.1	Sludge	3,3'-dimethyl-4,4'-diamino-diphenylmethane	CPSD-AN-00574:2019 V11	0.1 -1000mg/kg
		p-cresidine,		0.1 -1000mg/kg
		4,4'-methylene-bis-(2-chloroaniline)		0.1 -1000mg/kg
		4,4'-oxydianiline		0.1 -1000mg/kg
		4,4'-thiodianiline,		0.1 -1000mg/kg
		o-toluidine		0.1 -1000mg/kg
		2,4-toluylenediamine		0.1 -1000mg/kg
		2,4,5-trimethylaniline		0.1 -1000mg/kg
		2-methoxyaniline		0.1 -1000mg/kg
		2,4-xylydine		0.1 -1000mg/kg
		2,6-xylydine		0.1 -1000mg/kg
		Aniline		0.1 -1000mg/kg
		1,4-phenylenediamine		0.1 -1000mg/kg
		4-aminoazobenzene		0.1 -1000mg/kg
		2-Chloroaniline		0.1 -1000mg/kg
		5-Nitro-o-anisidine		0.1 -1000mg/kg
		m-Toluidine		0.1 -1000mg/kg
		N,N-Diethylaniline		0.1 -1000mg/kg
		N-Ethylaniline		0.1 -1000mg/kg
		N-Methylaniline		0.1 -1000mg/kg
p-Toluidine	0.1 -1000mg/kg			
3,3'-dimethylbenzidine	0.1 -1000mg/kg			
o-aminoazotoluene	0.1 -1000mg/kg			
6.2		Chlorophenol	CPSD-AN-00578:2019 V11 (In house method)	
		Pentachlorophenol		0.025 -1000mg/kg
		o-phenylpheno		0.025 -1000mg/kg
		2,3,4,5-Tetrachlorophenol		0.025 -1000mg/kg
		2,3,4,6-Tetrachlorophenol		0.025 -1000mg/kg
		2,3,5,6-Tetrachloropheno		0.025 -1000mg/kg
		3,5-Dichlorophenol		0.025 -1000mg/kg
		2,3-Dichlorophenol		0.025 -1000mg/kg
		3,4-Dichlorophenol		0.025 -1000mg/kg
		2-Chlorophenol,		0.025 -1000mg/kg
		3-Chloropheno		0.025 -1000mg/kg
		4-Chlorophenol		0.025 -1000mg/kg
		2,4,6-Trichlorophenol		0.025 -1000mg/kg
		2,3,5-Trichlorophenol		0.025 -1000mg/kg
		2,4,5-Trichlorophenol		0.025 -1000mg/kg
		2,3,6-Trichlorophenol		0.025 -1000mg/kg
2,3,4-Trichloropheno	0.025 -1000mg/kg			
3,4,5-Trichlorophenol	0.025 -1000mg/kg			
6.3		Poly Aromatic Hydrocarbon	CPSD-AN-00576:2019 V15 (In house method)	
		Naphthalene		0.1-1000 mg/kg
		Acenaphthylene		0.1-1000 mg/kg
		Acenaphthene		0.1-1000 mg/kg
		Fluorene		0.1-1000 mg/kg
		Phenanthrene		0.1-1000 mg/kg
		Anthracene		0.1-1000 mg/kg
		Fluoranthene		0.1-1000 mg/kg
		Pyrene		0.1-1000 mg/kg
Benzo[a]anthracene	0.1-1000 mg/kg			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.3	Sludge	Chrysene	CPSD-AN-00576:2019 V15 (In house method)	0.1-1000 mg/kg
		Benzo[a]pyrene		0.1-1000 mg/kg
		Benzo[e]pyrene		0.1-1000 mg/kg
		Benzo[g,h,i]perylene		0.1-1000 mg/kg
		Dibenzo(a,h) anthracene		0.1-1000 mg/kg
		Indeno(1,2,3-cd) pyrene		0.1-1000 mg/kg
		Benzo[b]fluoranthene		0.1-1000 mg/kg
		Benzo[k]fluoranthene		0.1-1000 mg/kg
		Benzo[j]fluoranthene		0.1-1000 mg/kg
6.4	APEO	Octylphenoethoxylates (OPEOs)	CPSD-AN-00556:2020 V14 (In house method)	0.2 – 1000 mg/kg
		Nonylphenoethoxylates (NPEOs)		0.2 – 1000 mg/kg
		Nonylphenol (NPs)		0.2 – 1000 mg/kg
		4-tert-Octylphenol (tert-OP)		0.2 – 1000 mg/kg
		4-n-Octylphenol (n-OP)		0.2 – 1000 mg/kg
		Octylphenoethoxylates (OPEOs)		0.2 – 1000 mg/kg
6.5	Phthalate	Dimethyl phthalate (DMP)	CPSD-AN-00571:2019 V13	0.3– 1000 mg/kg
		Diethyl phthalate (DEP)		0.3– 1000 mg/kg
		Di-n-propyl phthalate (DPRP)		0.3– 1000 mg/kg
		Diisobutyl phthalate (DiBP)		0.3– 1000 mg/kg
		Di-n-butyl phthalate (DBP)		0.3– 1000 mg/kg
		Dicyclohexyl phthalate (DCHP)		0.3– 1000 mg/kg
		Butyl benzyl phthalate (BBP)		0.3– 1000 mg/kg
		Di-n-hexyl phthalate (DHP)		0.3– 1000 mg/kg
		Di (ethylhexyl) phthalate (DEHP)		0.3– 1000 mg/kg
		Di-n-octyl phthalate (DnOP)		0.3– 1000 mg/kg
		Dinonyl phthalate (DNP)		0.3– 1000 mg/kg
		Diisooctyl phthalate (DIOP)		0.3– 1000 mg/kg
		Di-isononyl phthalate (DINP)		0.3– 1000 mg/kg
		Di-iso-decyl phthalate (DIDP)		0.3– 1000 mg/kg
		Dimethoxyethyl phthalate (DMEP)		0.3– 1000 mg/kg
		Di-iso-pentyl phthalate (DiPP)		0.3– 1000 mg/kg
		di-n-pentyl phthalate (DnPP)		0.3– 1000 mg/kg
		n-pentyl iso-pentyl phthalate (PiPP)		0.3– 1000 mg/kg
		Butyl octyl phthalate(BOP)		0.3– 1000 mg/kg
		Diundecyl phthalate (DUP)		0.3– 1000 mg/kg
1,2-benzenedicarboxylic acid, di-C6-8 branched alkyl esters, C7-rich (DIHePp)	0.3– 1000 mg/kg			
6.6	Organo Tin	Monobutyltin	CPSD-AN-00575:2019 V13 (In house method)	0.01 -1000 mg/kg
		Dibutyltin		0.01 -1000 mg/kg
		Tributyltin		0.01 -1000 mg/kg
		Tetrabutyltin		0.01 -1000 mg/kg
		Monooctyltin		0.01 -1000 mg/kg
		Diocetyl tin		0.01 -1000 mg/kg
		Triocetyl tin		0.01 -1000 mg/kg
		Tripropyltin		0.01 -1000 mg/kg
		Triphenyltin		0.01 -1000 mg/kg

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.6	Sludge	Tricyclohexyltin	CPSD-AN-00575:2019 V13 (In house method)	0.01 -1000 mg/kg
		Trimethyl tin		0.01 -1000 mg/kg
		Dimethyl tin		0.01 -1000 mg/kg
		Diphenyl tin		0.01 -1000 mg/kg
		Dipropyl tin		0.01 -1000 mg/kg
		Phenyltriethyl tin		0.01 -1000 mg/kg
6.7		Heavy metals	CPSD-AN-00581:2019 V15	
		Chromium as Cr		1 - 1000 mg/kg
		Nickel as Ni		1 - 1000 mg/kg
		Iron as Fe		1 - 1000 mg/kg
		Lead as Pb		1- 1000 mg/kg
		Cadmium as Cd		0.1 - 1000 mg/kg
		Copper as Cu		1- 1000 mg/kg
		Zinc as Zn		4- 1000 mg/kg
		Silver as Ag		1- 1000 mg/kg
		Barium as Ba		1- 1000 mg/kg
		Boron as B		1- 1000 mg/kg
		Arsenic as As		1- 1000 mg/kg
		Antimony as Sb		1 - 1000 mg/kg
		Cobolt as Co		1 - 1000 mg/kg
		Mercury as Hg		0.02 - 1000 mg/kg
6.8		Dyes	CPSD-AN-00799:2019 V5	
		Disperse Blue 1		0.15 -1000 mg/kg
		Disperse Blue 3		0.15 -1000 mg/kg
		Disperse Blue 7		0.15 -1000 mg/kg
		Disperse Blue 26		0.15 -1000 mg/kg
		Disperse Blue 35		0.15 -1000 mg/kg
		Disperse Blue 102		0.15 -1000 mg/kg
		Disperse Blue 106		0.15 -1000 mg/kg
		Disperse Blue 124		0.15 -1000 mg/kg
		Disperse Red 1		0.15 -1000 mg/kg
		Disperse Red 11		0.15 -1000 mg/kg
		Disperse Red 17		0.15 -1000 mg/kg
		Disperse Orange 1		0.15 -1000 mg/kg
		Disperse Orange 3		0.15 -1000 mg/kg
		Disperse Orange 11		0.15 -1000 mg/kg
		Disperse Orange 37/76/59		0.15 -1000 mg/kg
		Disperse Orange 149		0.15 -1000 mg/kg
		Disperse Yellow 1		0.15 -1000 mg/kg
		Disperse Yellow 3		0.15 -1000 mg/kg
		Disperse Yellow 7		0.15 -1000 mg/kg
		Disperse Yellow 9		0.15 -1000 mg/kg
		Disperse Yellow 23		0.15 -1000 mg/kg
		Disperse Yellow 39		0.15 -1000 mg/kg
		Disperse Yellow 49		0.15 -1000 mg/kg
		Disperse Yellow 56		0.15 -1000 mg/kg
		Solvent Yellow 1		0.15 -1000 mg/kg
		Solvent Yellow 2		0.15 -1000 mg/kg
Solvent Yellow 3	0.15 -1000 mg/kg			
Solvent Yellow 14	0.15 -1000 mg/kg			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.8	Sludge	Disperse Brown 1	CPSD-AN-00799:2019 V5	0.15 -1000 mg/kg
		Basic Red 9		0.15 -1000 mg/kg
		Basic Violet 14		0.15 -1000 mg/kg
		Basic violet 1		0.15 -1000 mg/kg
		Basic violet 3		0.15 -1000 mg/kg
		Acid Red 26		0.15 -1000 mg/kg
		Acid Red 114		0.15 -1000 mg/kg
		Direct Black 38		0.15 -1000 mg/kg
		Direct Blue 6		0.15 -1000 mg/kg
		Direct Red 28		0.15 -1000 mg/kg
		Direct Brown 95		0.15 -1000 mg/kg
		Acid Violet 49		0.15 -1000 mg/kg
		Navy Blue		0.15 -1000 mg/kg

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment