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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

**Chemical Laboratory**  
**Bureau Veritas Consumer Products Services Lanka (Pvt) Ltd**  
No.570, Galle Road, Katubedda

**Scope of Accreditation:** Performing Chemical testing on Food & agriculture products, Water, Wastewater, Sludge, Cosmetics and essential oils, Fertilizer, Packaging material, Plastics, Rubber and Paper as per ISO, SLS, AOAC, BS EN, ASTM, APHA 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
<b>1. Food and Agriculture Products</b>				
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%

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.1	Tea Black, Green, Herbal, flavored tea, and tea products	Total Ash	SLS 28 Part 3:2008 Reference to ISO 1575:1987	1.0-15.0%
		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%
		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
		Total Polyphenols		ISO 14502-1:2005
		Caffeine	ISO 10727:2002	0.05-30%
		Total Polyphenols	ISO 14502-1:2005	0.05% to 30%
		Caffeine	ISO 10727:2002	0.05-30%
1.2	<b>Edible Fats &amp; Oil</b> (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	0.1 - 3%
		Refractive Index	SLS 313 PART 1-Sec 5: 2017 Reference to ISO 6320:2017	1.3000- 1.7000 nD
		Fatty Acid Profile	AOAC 996.06 By GC-FID	0.01-100%
		PAH	FD-MTHD-046 by GC-MS	1 to 10 ppb
		Naphthalene		
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Fluoranthene		
		Pyrene		
		Benzo[a]anthracene		
		Chrysene		
		Benzo[a]pyrene		
		Benzo[e]pyrene		
Benzo[g,h,i]perylene				

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1.2	<b>Edible Fats &amp; Oil</b> (coconut oil, palm oil, palm olein, palm sterain, palm kernel oil, sunflower seed oil)	Benzo[b,j,k]fluoranthene	FD-MTHD-046 by GC-MS	1 to 10 ppb
		Dibenzo[a,h]Anthracene		
		Indeno[1,2,3-cd]pyrene		
1.2	<b>Edible Fats &amp; Oil</b> (coconut oil, palm oil, palm olein, palm sterain, palm kernel oil, sunflower seed oil)	<b>Phthalate</b>	CPSD-AN-00524 :2013 MTHD: V2 (In House Method)	0.15-100 mg/kg
		DBP		
		BBP		
		DEHP		
		DnOP		
		DINP		
DIDP				
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	ASTA 28.0 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
		Non-volatile ether extract	SLS 186 Part 7 :2008 / ISO 1108: 1992	0.1% to 40%
		Non-volatile ether extract	SLS 186 Part 7 :2008 / ISO 1108: 1992	0.1% to 40%
1.4	Tea, Herbs, Spices, Nuts, cereals, Grains, coffee	Aflatoxin B1, B2, G1, G2	ASTA Method 24.2	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

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.5	Peanut, Chicken, Egg, Animal Feeds	Aflatoxin B1, B2, G1, G2	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	Edible 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 & Sea Food products / Beverages / Vegetables (Food products contain high water content (aw >0.95))	Arsenic	AOAC 2015.01	0.03 – 10 ppm
		Lead		0.03 – 10 ppm
		Mercury		0.03 – 10 ppm
		Cadmium		0.03 – 10 ppm
		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 Appendix 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%
1.15	Confectionary and Breakfast Cereal	Total Sugar	SLS 586: 1982	0.1-100 %
		Sucrose Content		0.1-80 %

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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%
1.18	Beverages, (Carbonated, Non-Carbonated & Alcoholic Beverages Fruit Drinks, Juice, Squash, Fruit Syrup Cordials,) fruit pulps and Fruit Jam	Total Sugar	SLS 735: Part 6 1989	0.1 to 70%
		Reducing Sugar	SLS 735: Part 6 1989	0.1 to 70%
		Sucrose	SLS 735: Part 6 1989	0.1 to 70%
1.19	Turmeric, Whole and Ground	Curcumin content on dry basis	SLS 186: Part 13:2016	0.1-10.0%
1.20	Coconut Milk	Total solids	AOAC 990.20	0.1-100%
		Moisture	SLS 1365 Part 1: 2009 Appendix E	0.1-100%
		pH, at 27 ± 2	SLS 1365 Part 1: 2009 Appendix F	1-14
1.21	Rice Flour	Moisture,	SLS 913:2020 Appendix D	0.1-15%
		Starch	SLS 913:2020 Appendix E	0.1-90%
		PH	SLS 913:2020 Appendix F	1-14
		Total ash	SLS 913:2020 Appendix G	0.1-10%
		Acid insoluble ash	SLS 913:2020 Appendix H	0.02-1%
1.22	Salt	Iodine content, as I, on dry basis, mg/kg.	SLS 80:2019 Appendix M /SLS 79:2019 Appendix M	5-60mg/kg
1.23	All food commodities	Energy	CODEX GUIDELINES ON NUTRITION LABELLING	0.1-3000 kcal/100g/ml
		Carbohydrate		0.1-100g/100g/ml
		Available carbohydrate		0.1-100g/100g/ml
		Fat	SLS-1365 Part 1 2009 Appendix C	0.1-100g/100g/ml
		Protein	CPSD-AN-238 METHOD/AOAC 979.09	0.1-100g/100g/ml
		Dietary fiber	AOAC 991.43	0.1-100g/100g/ml
		Salt	CPSD-AN-267 METHOD	0.05-20g/100g/ml
		Zinc	AOAC 2011.14	0.1 mg/kg – 100 mg/kg
		Copper		0.1 mg/kg – 100 mg/kg
		Iron		0.1 mg/kg – 100 mg/kg
		Calcium		0.1 mg/kg – 100 mg/kg
		Magnesium		0.1 mg/kg – 100 mg/kg
		Manganese		0.1 mg/kg – 100 mg/kg
Potassium	0.1 mg/kg – 100 mg/kg			
Phosphorus	0.1 mg/kg – 100 mg/kg			
sodium	0.1 mg/kg – 100 mg/kg			
1.24	Biscuit	Moisture		SLS 251:2010 Appendix B
		Fat	SLS-1365 Part 1 2009 Appendix C	0.1-50g/100g
		Total Protein	CPSD-AN-238 METHOD/AOAC 979.09	0.1-50g/100g
		Total Sugars as Sucrose	AOAC 925.05	0.1-80g/100g

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1.25	Spices, coffee, tea (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Lentils)	2,4 – D	SOP-64 Revision No:00 (BS EN 15662 :2018) By LC-MSMS	0.005ppm -100ppm
		Abamectin		
		Acephate		
		Acetamiprid		
		Alanycarb		
		Aldicarb		
		Amidosulfuron		
		Aminocarb		
		Azaconazole		
		Azamethiphos		
		Azinphos – ethyl		
		Azinphos-methyl (Guthion)		
		Azoxystrobin		
		Beflubutamid		
		Benalaxyl		
		Benzoximate		
		Bifenazate		
		Bifentrin		
		Bispyribac sodium		
		Bitertanol		
		Boscalid		
		Bromuconazole		
		Bupirimate		
		Buprofezin		
		Carbaryl		
		Carbendazim		
		Carbofuran		
		Carbosulfan		
		Carboxin		
		Carfentrazone – ethyl		
		Chlorantraniliprole		
		Chlorfenvinphos		
		Chloridazon		
Chlorotoluron				
Chloroxuron				
Chlorpyriphos – methyl				
Chlorsulfuron				
Clofentezine				
Clomazone				
Coumaphos				
Cyazofamid				
Cycloate				
Cycluron				
Cymiazol				

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1.25	Spices, coffee, tea (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Lentils)	Cymoxanil	SOP-64 Revision No:00 (BS EN 15662 :2018) By LC-MSMS	0.005ppm -100ppm
		Cyproconazole		
		Cyprodinil		
		Deet (Diethyltoluamide)		
		Diazinon		
		Dichlorvos		
		Diethofencarb		
		Difenoconazole		
		Diflubenzuron		
		Diflufenican		
		Dimethachlor		
		Dimethoate		
		Dimethomorph		
		Dimoxystrobin		
		Diniconazole		
		Dinotefuran		
		Dioxacarb		
		Diuron		
		Epoxiconazole		
		Ethidimuron		
		Ethion		
		Ethirimol		
		Ethofumesate		
		Ethoprop		
		Ethyoxyquin		
		Etofenprox		
		Etoxaole		
		Famoxadone		
		Fenamidone		
		Fenamiphos		
		Fenazaquin		
		Fenbucanazole		
		Fenhexamid		
Fenobucarb				
Fenoxycarb				
Fenpropidine				
Fenpyroximate				
Fenthion				
Fenuron				
Fipronil				
Flazasulfuron				
Flonicamid				
Fluazinam				
Fludioxonil				

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.25	Spices, coffee, tea (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Lentils)	Flufenacet	SOP-64 Revision No:00 (BS EN 15662 :2018) By LC-MSMS	0.005ppm -100ppm
		Imidacloprid		
		Indoxacarb		
		Ipconazole		
		Iprovalicarb		
		Isocarbofos		
		Isufenphos – methyl		
		Isoprothiolane		
		Isoxaben		
		Isoxaflutole		
		Kresoxim – methyl		
		Lenacil		
		Linuron		
		Lufenuron		
		Malaoxon		
		Malathion		
		Manipropamid		
		Mecarbam		
		Mepanipyrim		
		Mesosulfuran – methyl		
		Metaflumizone		
		Metalaxyl		
		Metamitron		
		Metazachlor		
		Metconazole		
		Methabenzthiazuron		
		Methamidophos		
		Methidathion		
		Methiocarb		
		Methomyl		
		Methoprotryne		
		Methoxyfenozide		
		Metobromuron		
Metolachlor				
Metrafenone				
Metribuzin				
Metsulfuron – methyl				
Mevinphos				
Mexacarbate				
Molinate				
Monocrotophos				
Moxidectin				
Myclobutanil				
Nitenpyram				



SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.25	Spices, coffee, tea (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Lentils)	Novaluron	SOP-64 Revision No:00 (BS EN 15662 :2018) By LC-MSMS	0.005ppm -100ppm
		Omethoate		
		Oxadixyl		
		Oxamyl		
		Oxasulfuron		
		Oxyflorfen		
		Paclobutrazol		
		Penconazol		
		Pencycuron		
		Pendimethalin (penoxalin)		
		Phenthoate		
		Phosalone		
		Phosmet		
		Phosphamidon		
		Phoxim		
		Picolinafen		
		Picoxystrobin		
		Pirimicarb		
		Pirimiphos – methyl		
		Prochloraz		
		Profenophos		
		Promecarb		
		Prometon		
		Pronamide		
		Propamocarb		
		Propaquizafop		
		Propargite		
		Propetamphos		
		Propham		
		Propiconazole		
		Propoxur		
		Proquinazid		
		Prosulfocarb		
Pymetrozine				
Pyracarbolid				
Pyraclostrobin				
Pyridaben				
Pyridat				
Pyrimethanil				
Pyriproxyfen				
Quinalfos				
Quinmerac				
Quinoclamín				
Quinoxiphen				

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.25	Spices, coffee, tea (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Lentils)		SOP-64 Revision No:00 (BS EN 15662 :2018) By LC-MSMS	0.005ppm -100ppm
		Secbumeton		
		Silthiofam		
		Spinosyn		
		Spirodiclofen		
		Rotenone		
		Rimsulfuron		
		Spirotetramat		
		Spiroxamine		
		Sulfentrazone		
		Tebuconazole		
		Tebufenozide		
		Tebufenpyrad		
		Tebuthiuron		
		Teflubenzuron		
		Temephos		
		Tepraloxydim		
		Terbufos		
		Tetraconazole		
		Thiabendazole		
		Thiacloprid		
		Thiametoxam		
		Thidiazuron		
		Thifensulfuron – methyl		
		Thiodicarb		
		Thiofanox		
		Tolclofos-methyl		
		Tralkoxydim		
		Triadimefon		
		Triadimenol		
		Triasulfuron		
		Triazophos		
		Tribenuron – methyl		
Trichlorfon				
Tricyclazole				
Trietazine				
Trifloxystrobin				
Triflumizole				
Triflumuron				
Trimethacarb				
Triticonazole				
Uniconazole				
Vamidothion				
Zoxamide				
MCPA				

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.26	<b>Tea</b> (Black, Green, Herbal & Flavored, white tea Camellia Sinensis, Tea based Beverages) <b>Spices and Herbs</b> (Black pepper, white pepper, celery seed or flakes, chili powder, paprika, parsley flakes, rosemary, sesame seed, thyme, and vegetable flake, Cardamom, cinnamon, Turmeric, Curry Leaves, Cumin Seed, Fennel Seeds, Nutmeg, Mustard, Ginger, Cloves, Curry powder, Lemon Grass, herbal drinks, Onion flakes, onion powder, garlic flakes, Seasoning powder, coffee, tobacco, lentils, freeze-dried fruit)	Heptachlor	SOP 64: revision 00 (Based on BS EN 15662:2018 By GC-ECD)	1 ppm- 20ppm
		Heptachlorepoxyde		1 ppm- 20ppm
		Hexachlorobenzene		1 ppm- 20ppm
		o.p' DDD		1 ppm- 20ppm
		o.p' DDT		1 ppm- 20ppm
		p.p' DDE		1 ppm- 20ppm
		p.p' DDT		1 ppm- 20ppm
		Parathion – methyl		1 ppm- 20ppm
		Aldrin		1 ppm- 20ppm
		Alpha – Endosulfan (II)		1 ppm- 20ppm
		Alpha – HCH		1 ppm- 20ppm
		Beta- Endosulfan (I)		1 ppm- 20ppm
		Beta- HCH		1 ppm- 20ppm
		Bromopropylate		1 ppm- 20ppm
		Cypermethrin		1 ppm- 20ppm
		Delta- HCH		1 ppm- 20ppm
		Deltamethrin		1 ppm- 20ppm
		Endosulfan Sulphate		1 ppm- 20ppm
		Endrin		1 ppm- 20ppm
		Endrin Aldehyde		1 ppm- 20ppm
Fenitrothion	1 ppm- 20ppm			
Fenpropathrin	1 ppm- 20ppm			
Fenvelarate	1 ppm- 20ppm			
Gama- HCH (Lindane)	1 ppm- 20ppm			
Propanil	1 ppm- 20ppm			
<b>2. Water</b>				
2.1	<b>Water</b> 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

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<b>3. Water</b>				
2.1	Water Drinking water, processing water, potable water, Bottled water, raw water, Mineral water, Sparkling water Distilled water	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			
<b>4. Waste Water</b>				
3.1	Waste 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
		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
		Turbity	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 S2-	0.01-100 mg/l
		Sulphite	APHA 23rd ed: 2017; 4500 SO3	0.01-100 mg/l
		Chromium as Cr	CPSD-AN-00581:2020 V 16	1ug/l - 1000 µg/l
Nickel as Ni	1ug/l - 1000 µg/l			
Iron as Fe	1ug/l - 1000 µg/l			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
3.1	Waste Water	Lead as Pb	CPSD-AN-00581:2020 V 16	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
3.2	Waste Water	<b>APEO</b>	CPSD-AN-00556:2020 V14	
		4-n-nonyphenol		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
3.3	Waste Water	<b>Phthalates</b>	CPSD-AN-00571:2019 V13	
		Dimethyl phthalate (DMP)		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
		Di (ethylhexyl) phthalate (DEHP)		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			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
3.4	Waste Water	<b>Chloro-Benzene and Toluene</b>		
		Chlorobenzene	CPSD-AN-00576:2019 <b>V15</b>	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
		$\alpha$ ,2,6-Trichlorotoluene		0.02 -1000 ug/L
		$\alpha$ ,2,4-Trichlorotoluene		0.02 -1000 ug/L
		$\alpha$ ,3,4-Trichlorotoluene		0.02 -1000 ug/L
		$\alpha$ , $\alpha$ , $\alpha$ -2-Tetrachlorotoluene		0.02 -1000 ug/L
$\alpha$ , $\alpha$ ,2,6-Tetrachlorotoluene	0.02 -1000 ug/L			
3.5	Waste Water	<b>Azo Dye</b>		
		4-aminobiphenyl,	CPSD-AN-00574:2019 <b>V11</b>	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-xylydine		0.1 -1000ug/L
2,6-xylydine	0.1 -1000ug/L			
Aniline	0.1 -1000ug/L			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection	
3.5	Waste Water	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			
3.6	Waste Water	<b>Chlorophenol</b>			
		Pentachlorophenol	CPSD-AN-00578:2019 <b>V11</b> (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	Waste Water	<b>Poly Aromatic Hydrocarbon</b>			
		Naphthalene	CPSD-AN-00576:2019 <b>V15</b> (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	
		Benzo[a]pyrene		1-1000 ug/L	
		Benzo[e]pyrene		1-1000 ug/L	

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
3.7	Waste Water	Benzo[g,h,i]perylene	CPSD-AN-00576:2019 V15 (In house method)	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	<b>Organo Tin</b>	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	<b>Dyes</b>	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			



SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
3.9	Waste Water	Disperse Yellow 49	CPSD-AN-00799:2019 V5	15 -1000µg/L
		Disperse Yellow 56		15 -1000µg/L
		Solvent Yellow 1		15 -1000µg/L
		Solvent Yellow 2		15 -1000µg/L
		Solvent Yellow 3		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			
<b>04. Cosmetics and Essential Oil</b>				
4.1	Liquid, Gel and Cream Oxidative Hair Colors	pH	SLS 1439:2021 Appendix B	1.0-14.0
		Active matter as PPD content	SLS 1439 2021 Appendix D	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%
		Active surfactant content- Synthetic Anionic Ingredient	SLS 1342:2018 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	SLS 1464 2021 Appendix C	0.05-10 Meq/kg
		Peroxide Number	SLS 743:2021 Appendix E	0.05-10 Meq/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
4.4	Cream & Lotions	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	SLS 1464 2021 Appendix C	0.05-10 Meq/kg
		Thermal stability	C.2 of SLS 611: 1983	Pass/Fail
4.6	All Cosmetics	Formaldehyde (lipstick)	CPSD-AN-00201 :2020 V8 (In House Method)	3 -300ppm
		Formaldehyde (Soap)		3 -300ppm
4.7	All Cosmetics toothpaste & row materials /soap/ face wash	Arsenic	CPSD AN -00352: 2018 V 9.0 / ISO TR 17276	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
				1-14
		Moisture and volatile matter	SLS 275:2014 Appendix F	5-75 %
4.9	Shaving Cream	Water Content	SLS 796 2021 Appendix C	1-90%
		pH	SLS 796 2021 Appendix G	1-14
		Non Volatile Matter	SLS 796 2021 Appendix B	0.1 – 90%
		Free Caustic Alkali	SLS 796:2021 Appendix E	Pass/Fail
		Lather Volume	SLS 796:2021 Appendix D	5 – 150 ml
		Stability	SLS 796:2021 Appendix F	Pass/Fail
4.10	Toilet Soap	Total Fatty Matter	SLS 34:2009 Appndx 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 Appndx D	5 – 90 %
		Free Caustic Alkali	SLS 1391-Part 3:2009	0.01 – 2%
4.12	Liquid Toilet Soap	Total Fatty Matter	SLS 1391 Part 1 2009	5 – 60 %
		pH	SLS 1142:2009 Appndx 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%
4.13	Hair dye powders	pH	SLS 1439:2021 Appendix B	2 – 14%
4.14	Lipstick	Peroxide Number	SLS 1464:2021 Appendix C	0.05-10 Meq/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
<b>5. Fertilizer</b>				
5.1	Ground Rock - Phosphate	Total phosphorus as P <sub>2</sub> O <sub>5</sub> , 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 <sub>2</sub> O <sub>5</sub> , percent by mass	SLS 645 part 5:1985	0.1-50 %
		Water soluble phosphorous as P <sub>2</sub> O <sub>5</sub> , percent by mass	SLS 645 part 5:1985	1-95 %
		Free phosphoric acid as P <sub>2</sub> O <sub>5</sub> , 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 Nitrogen percent by mass	SLS 645 part 5:1985	0.1-50 %
		Total phosphorus as P <sub>2</sub> O <sub>5</sub> , percent by mass	SLS 645 part 5:1985	1-95 %
		Free phosphoric acid as P <sub>2</sub> O <sub>5</sub> , 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 <sub>2</sub> O <sub>5</sub> , percent by mass	SLS 645 part 5:1985	0.1-50 %
		Water Soluble phosphorous as P <sub>2</sub> O <sub>5</sub> , percent by mass	SLS 645 part 5:1985	1-95 %
		Moisture, percent by mass	SLS 645 part 2:1984 Method 2	0.05- 50 %
5.6	Potassium Sulphate	Potash content as (K <sub>2</sub> 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, percent by mass	SLS 645 Part 6:1990: Section 1	0.1-30 %
		Mineral acid soluble sulfate content, as SO <sub>3</sub> 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, percent by mass	SLS 645 Part 6:1990: Section 1	0.1-30 %
		Mineral acid soluble sulfate content, as SO <sub>3</sub> 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, percent by mass	SLS 645 Part 6:1990: Section 1	0.1- 50%
		Water solubility, percent by mass	SLS 1104:2014 Appendix D	1- 99 %

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
5.9	Ammonium sulphate	Moisture, percent 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, percent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Total nitrogen as N, percent by mass	SLS 645 Part 1:2009: Section C	0.1- 60 %
		Biuret Content, percent by mass	SLS 645 Part 3: 2009 Method 2	0.05- 10%
5.11	Murate of potash (MOP)	Moisture, percent by mass	SLS 645 Part 2 :1984 Method 1	0.05- 50 %
		Potash Content as K <sub>2</sub> O, percent by mass	SLS 645 Part 4:1989 Section 1	0.1-70%
		Sodium as NaCl, percent by mass	SLS 645 part 7:1994 Section 1	0.1-20 %
5.12	All Fertilizer Inorganic / Organic	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
		Calcium		0.05 -500 mg/kg
		Magnesium		0.05 -400mg/kg
		Molybdenum		0.05-250 mg/kg
		Manganese		0.05-2 mg/kg
		Selenium		0.05 – 10 mg/kg
5.13	Soil / Organic Fertilizer (Liquid/solid)	Total Phosphorous	AOAC 2015.18 By ICP-MS/OES	0.05 -500 mg/kg
		Potassium content		0.05 -400mg/kg
		Total Phosphorous	SLS 645; Part 5 :1985	0.1- 50 %
		Potassium content	SLS 645; Part 4 :1989	0.1- 40 %
		Total Nitrogen Content (as N),	AOAC 955.04 / SLS 645: Part 1: Section C: 2009	0.1- 50 %
		pH Value	ISO 10390:2021	1-14
		Conductivity (1:5 dilution) as dS/m	ISO 11265:1994	0.01-100
		Sand Content	SLS 1635 :2019 Appendix: E	0.1-70%
		Organic Carbon content	SLS 1635 :2019 Appendix: C/SLS 1702:2021 Appendix B	0.1-60%

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
<b>6. Sludge</b>				
6.1	Sludge	<b>Azo dye</b>	CPSD-AN-00574:2019 V11	0.1 -1000mg/kg
		4-aminobiphenyl		
		Benzidine		
		4-chloro-o-toluidine		
		2-naphthylamine		
		p-chloroaniline		
		2,4-diaminoanisole		
		4,4'-diamino-diphenylmethane		
		3,3'-dichlorobenzidine		
		3,3'-dimethylbenzidine		
		3,3'-dimethyl-4,4'-diamino-diphenylmethane		
		p-cresidine,		
		4,4'-methylene-bis-(2-chloroaniline)		
		4,4'-oxydianiline		
		4,4'-thiodianiline,		
		o-toluidine		
		2,4-toluylenediamine		
		2,4,5-trimethylaniline		
		2-methoxyaniline		
		2,4-xylydine		
		2,6-xylydine		
		Aniline		
		1,4-phenylenediamine		
		4-aminoazobenzene		
		2-Chloroaniline		
		5-Nitro-o-anisidine		
		m-Toluidine		
		N,N-Diethylaniline		
N-Ethylaniline				
N-Methylaniline				
p-Toluidine				
3,3'-dimethylbenzidine				
o-aminoazotoluene				
6.2	Sludge	<b>Chlorophenol</b>	CPSD-AN-00578:2019 V11 (In house method)	0.025 -1000mg/kg
		Pentachlorophenol		
		o-phenylpheno		
		2,3,4,5-Tetrachlorophenol		
		2,3,4,6-Tetrachlorophenol		
		2,3,5,6-Tetrachloropheno		
		3,5-Dichlorophenol		
		2,3-Dichlorophenol		
		3,4-Dichlorophenol		
2-Chlorophenol,				

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.2	Sludge	3-Chlorophenol	CPSD-AN-00578:2019 V11 (In house method)	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	Sludge	<b>Poly-Aromatic Hydrocarbon</b>		
		Naphthalene	CPSD-AN-00576:2019 V15 (In house method)	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
		Chrysene		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	Sludge	<b>APEO</b>		
		Octylphenoethoxylates (OPEOs)	CPSD-AN-00556:2020 V 14 (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	Sludge	<b>Phthalate</b>		
		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			

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.5	Sludge	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	Sludge	<b>Organo Tin</b>		
		Monobutyltin	CPSD-AN-00575:2019 <b>V13</b> (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
		Dioctyltin		0.01 -1000 mg/kg
		Trioctyltin		0.01 -1000 mg/kg
		Tripropyltin		0.01 -1000 mg/kg
		Triphenyltin		0.01 -1000 mg/kg
		Tricyclohexyltin		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	Sludge	<b>Heavy metals</b>		
		Chromium as Cr	CPSD-AN-00581:2020 V20	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			

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	<b>Dyes</b>	<b>CPSD-AN-00799:2019 V5</b>	
		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
		Disperse Brown 1		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			



SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
6.9	Sludge	<b>Chloro Benzene and Toluene</b>		
		Chlorobenzene	<b>CPSD-AN-00576:2019 V15</b>	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
		$\alpha$ ,2,6-Trichlorotoluene		0.02 -1000 ug/L
		$\alpha$ ,2,4-Trichlorotoluene		0.02 -1000 ug/L
		$\alpha$ ,3,4-Trichlorotoluene		0.02 -1000 ug/L
$\alpha$ , $\alpha$ , $\alpha$ -2-Tetrachlorotoluene	0.02 -1000 ug/L			
$\alpha$ , $\alpha$ ,2,6-Tetrachlorotoluene	0.02 -1000 ug/L			
<b>7. Packaging Material, Plastic, Rubber, Paper</b>				
7.1	Plastic and Products made from plastic	Biodegradability	ISO 14855-1:2012 ASTM D 5338-15 (Re-approved 2021)	1-100%

Director / CEO  
Sri Lanka Accreditation Board for Conformity Assessment