



Valid from 19 December 2013
To 18 December 2016
Issued on 31 January 2014

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



ISO/ IEC 17025
TL 016-01

Schedule of Accreditation

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

Accreditation Number: TL 016-01

Chemical Laboratory
Sri Lanka Standards Institution
No.17, Victoria Place,
Elvitigala Mawatha, Colombo 08

Scope of Accreditation: Performing Chemical Testing on Product Categories of Water, Fertilizer and Porcelain Tableware based on APHA, ISO , SLS and laboratory test methods as per in this schedule.

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	Uncertainty (±)
01	Potable Water Bottled Drinking Water Bottled Natural Mineral Water	Sulphate	APHA 21 st Ed., 4500-SO ₄ ²⁻ E	≥5 mg/ L	10 %
	Water used for Lead Acid Batteries	Suspended Solids	APHA 21 st Ed., 2540 - D	≥1 mg/ L	4 %
	Water Used for fishery industries Waste Water Distilled Water	Total Residue	TM-LA-CH-022 (WHO Method)	≥1 mg/ L	4 %

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing	Uncertainty (±)
01	Potable Water Bottled Drinking Water Bottled Natural Mineral Water Water used for Lead Acid Batteries Water Used for fishery industries Waste Water Distilled Water	Turbidity	APHA 21 st Ed., 2130- B	≥0.1 mg/L	12%
		Magnesium	APHA 21 st Ed., 3500- Mg B	≥1 mg/ L	3 %
		Nitrates	APHA21 st Ed , 4500-NO ₃ B	≥1mg/L	7%
		pH	APHA21 st Ed , 4500- H ⁺ B	2 - 12	1 %
		Phosphorous	APHA 21 st Ed., 4500- P C	≥0.2 mg/ L	2 %
		Chloride	APHA 21 st Ed, 4500- Cl- B	≥1 mg/ L	4 %
		Chlorine, Free Residual	APHA21 st Ed., 4500- Cl- G	≥0.1 mg/ L	7 %
		Dissolved Solids, total	APHA 21 st Ed., 2540 – C	≥1 mg/ L	4 %
		Electrical Conductivity	APHA21 st Ed., 2510 – B	≥1 μS/cm	11 % μS/ cm

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±)
01	Potable Water Bottled Drinking Water Bottled Natural Mineral Water Water used for Lead Acid Batteries Water Used for fishery industries Waste Water Distilled Water	Hardness	APHA 21 st Ed., 2340 – C	≥ 1 mg/ L	2 %
		Alkalinity, total	APHA 21 st Ed., 2320 – B	≥20 mg/ L	3 %
		Ammonia, Albuminoid	SLS 614: Part1:1983	≥0.02 mg/ L	7 %
		Ammonia, free	SLS 614: Part1:1983	≥0.02 mg/ L	7 %
		Calcium	APHA 21 st Ed., 3500 - Ca B	≥1 mg/ L	4 %
02	Potable Water Bottled Drinking Water Bottled Natural Mineral Water	Taste	TM-LA-CH-026 Sensory evaluation	-	-
		Odour	TM-LA-CH-026 Sensory evaluation	-	-
03	Mixed Fertilizer Urea	Total - N	SLS 645: Part 1:2009 Section C	≥ 1 %	5 %
04	Ammonium Sulphate Ammonium Chloride Mono Ammonium Phosphate Di-Ammonium phosphate	NH ₄ - N	SLS 645: Part 1:2009 Section B	≥ 1%	1 %
05	Mixed Fertilizer, MAP,DAP Rock phosphate TSP	Total - P	SLS 645: Part 5:1985 Clause 7	≥ 1%	15 %
06	Mixed Fertilizer Potassium Sulphate, MOP	Total - K	SLS 645: Part 4:1989, Section 01	≥ 1%	4 %
07	Mixed Fertilizer Dolomite, Kieserite, Epson Salt	Calcium	SLS 645: Part 6:1990, Section 01	≥ 1 %	14 %

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08	Mixed Fertilizer Dolomite, Kieserite, Epson Salt	Magnesium	SLS645: Part 6:1990, Section 01	≥ 1%	2%
09	TSP	Water Soluble –P Water soluble-P as a %of P	SLS 645: Part 5:1985, Clause 8	≥ 1%	20%
10	Rock Phosphate	Citric Acid Soluble-P	SLS 645: Part 5:1985, Clause 10	≥ 1%	6%
11	Urea	Biuret	SLS 645: Part 3:2009, Method 2	≥ 0.1%	24%
12	MOP Ammonium Sulphate Ammonium Chloride Mono Ammonium Phosphate Di-Ammonium Phosphate Urea Dolomite, Kieserite, Epson Salt Mixed fertilizers Rock Phosphate Mixed Fertilizers TSP	Moisture	SLS 645: Part 2: 1984, Clause 05.	≥ 0.1%	15%
13	Porcelain Table ware Ceramic ware, Glass ceramic ware and Glass dinnerware	Test for release of Lead and Cadmium	SLS 1222: part 2:2001 ISO 6486- 1 : 1999	Cd : ≥0.02 mg/L, for Hollow ware & cups & mugs	17 %
				Cd : ≥ 0.01 mg/dm ² , for Flat ware & non fillable articles	
				Pb : ≥0.1mg/L For Hollow ware & cups & mugs	17 %
				Pb: ≥ 0.1 mg/dm ² For flat ware & Non fillable articles	