



Valid until 19 December 2013
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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 Products Categories of Water and Fertilizer based on APHA, SLS and ISO 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/ Limits of detection	Uncertainty (±)
01	Potable Water	Sulphate	APHA, 4500-SO ₄ ²⁻ -E	Min: 5 mg / l Max: 40	8 %
	Bottled Drinking Water	Suspended Solids	APHA, 2540 - D	Mini 1 mg / l Max: 1500	4 %
	Bottled Natural Mineral Water				4 %
	Water used for Lead Acid Batteries	Total Residue	WHO Method	Min: 1 mg / l Max: 2000	
Water Used for fishery industries	Waste Water	Turbidity	APHA 2130- B	Min: 0.1 NTU Max: 40	1 %
Distilled Water					

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	Iron	APHA, 3500- Fe B	Min: 0.01 mg/l Max: 1.0	9 %
		Magnesium	APHA, 3500- Mg B	Min: 1 mg/l Max: 150	3 %
		Nitrates	APHA, 4500- NO ₃ B	Min: 1 mg/l Max: 50	2 %
		pH	APHA, 4500- H B	2 - 12	% or 0.05 pH Unit
		Phosphorous	APHA, 4500- P C	Min: 0.2 mg/l Max: 2.0	2 %
		Chloride	APHA, 4500- Cl B	Min: 1 mg/l Max: 400	3 %
		Chlorine, Free Residual	APHA, 4500- Cl G	Min: 0.1 mg/l Max: 1.0	16 %
		Dissolved Solids, total	APHA ,2540 – C	Mini: 1 mg/l Max: 200	4 %
		Electrical Conductivity	APHA, 2510 - B	Mini: 0.5 mg/l Max: 4000	1 % for 500 µS/ cm & 5 % for 06 µS/ cm
		Hardness	APHA, 2340 - C	Min: 1 mg/l Max: 200	3 %
		Alkalinity, total	APHA 2320- B	Min: 1 mg/l Max: 200	1 %
		Ammonia, Albuminoid	SLS 614: Part 1:1983	Min: 0.06 mg/l Max: 50	11%
		Ammonia, free	SLS 614: Part 1:1983	Mini: 0.01 mg/l Max: 50	11%
		Calcium	APHA 3500-Ca B	Min :1 mg/l Max:: 250	03%
02	Potable Water Bottled Drinking Water	Taste	TM – LA – CH - 026 Sensory evaluation	-	-
	Bottled Natural Mineral Water	Odour	TM – LA – CH - 026 Sensory evaluation	-	-
03	Mixed Fertilizer Urea -	Total - N	SLS 645: Part 1:2009 Section C	1 - 46 %	0.5

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 (±)
04	Ammonium Sulphate Ammonium Chloride Mono Ammonium Phosphate Di-Ammonium phosphate	NH ₄ - N	SLS 645: Part 1:2009 Section B	1- 30%	0.4
05	Mixed Fertilizer Mixed Fertilizer, MAP,DAP Rock phosphate TSP	Total - P	SLS 645: Part 5:1985 Clause 7	1 – 20 % 20 - 50 %	0.3 0.5
06	Mixed Fertilizer Potassium Sulphate,MOP	Total - K	SLS 645: Part 4:1989, Section 01	1 – 20 % 20 – 60 %	0.5 0.7
07	Mixed Fertilizer Dolomite,Kieserite,Epson Salt	Calcium	SLS 645: Part 6:1990, Section 01	1- 25 %	0.4
08	Mixed Fertilizer Dolomite,Kieserite,Epson Salt	Magnesium	SLS645: Part 6:1990, Section 01	1-25 %	0.3
09	TSP	Water Soluble -P	SLS 645: Part 5:1985, Clause 8	1 - 35 %	0.6
10	Rock Phosphate	Citric Acid Soluble-P	SLS 645: Part 5:1985, Clause 10	1-10 %	0.2
11	Urea	Biuret	SLS 645: Part 3:2009, Method 2	1- 46 %	0.03
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.	<1.0 % 1- 15 %	0.05 0.4

Acting Director / CEO
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Colombo, Sri Lanka