

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



Valid from 19 December 2016
to 18 December 2019
Issued on 24 May 2017



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	Limit of detection
Water				
1.1	Water & Waste Water	Sulphate	APHA 22 nd Ed., 4500 SO ₄ ²⁻ -E	10 mg/ l
1.2		Suspended Solids	APHA 22 nd Ed., 2540 - D	4 mg/ l
1.3		Total Dissolved Solids	APHA 22 nd Ed., 2540- C	4 mg/ l
1.4		Turbidity	APHA 22 nd Ed., 2130 B	0.1 NTU
1.5		Magnesium	APHA 22 nd Ed., 3500- Mg B	1 mg/ l
1.6		Nitrates	APHA 22 nd Ed., 4500- NO ₃ ⁻ B	1 mg/ l

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Limit of detection
1.7	Water & Waste Water	pH	APHA 22 nd Ed , 4500- H ⁺ B	2 - 12
1.8		Phosphorous	APHA 22 nd Ed., 4500- P C	0.2 mg/ l (as P)
1.9		Chloride	APHA 22 nd Ed, 4500 Cl ⁻ B	1 mg/ l
1.10		Free Residual Chlorine	APHA 22 nd t Ed., 4500- Cl ⁻ G	0.1 mg/ l
1.11		Electrical Conductivity	APHA 22 nd Ed., 2510 - B	1 µS/cm
1.12		Hardness	APHA 22 nd Ed., 2340 - C	1 mg/ l
1.13		Total Alkalinity	APHA 22 nd Ed., 2320 B	20 mg/ l
1.14		Albuminoid Ammonia	SLS 614: 2013	0.02 mg/ l
1.15		Free Ammonia	SLS 614: 2013	0.02 mg/ l
1.16		Calcium	APHA 22 nd Ed., 3500 - Ca B	1 mg/ l
1.17		Water	Taste	CH_TM_5.4_001 Sensory evaluation
1.18	Odour			

Fertilizers

2.1	Fertilizer and Fertilizer Mixtures	Total Nitrogen	SLS 645: Part 1:2009 Section C	1 %
2.2		Ammonical Nitrogen	SLS 645: Part 1:2009 Section B	1 %
2.3		Total Phosphorus	SLS 645: Part 5:1985 Clause 7	1 %
2.4		Total Potassium	CH_TM-5.4-003 (Based on SLS 645: Part 4:1989,Section 01)	1 %
2.5		Water Soluble Potassium	CH-TM-5.4-002 (Based on AOAC 983.02)	1 %
2.6		Calcium	SLS 645: Part 6:1990, Section 01	1 %
2.7		Magnesium	SLS 645: Part 6:1990, Section 01	1 %
2.8		Water Soluble Phosphorus	SLS 645: Part 5:1985, Clause 8	1 %
2.9		Citric Acid Soluble Phosphorus	SLS 645: Part 5:1985, Clause 10	1 %
2.10		Biuret	SLS 645: Part 3:2009, Method 2	0.2 %
2.11		Moisture	SLS 645: Part 2: 1984	0.1 %

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Limit of detection
Clays, ceramics, and related materials				
3.0	Porcelain Table Ware Ceramic ware, Glass Ceramic ware and Glass dinnerware	Test for release Lead and Cadmium	SLS 1222: Part 2:2001 (Approved : 2012) ISO 6486 - 1 : 1999	Cd :- 0.02 mg/l, for Hollow ware, Cups & Mugs
				Cd :- 0.02 mg/dm ² , for Flat ware & non fillable articles
				Pb 0.1 mg/l For Hollow ware, Cups & Mugs
				Pb : 0.1 mg/dm ² For flat ware & non fillable articles

Deputy Director (Accreditation)
Sri Lanka Accreditation Board for Conformity Assessment