

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



Valid from 16 January 2023  
to 15 January 2026  
Issued on 21 July 2023



ISO/IEC 17025  
TL 016-01

## Schedule of Accreditation

Accreditation Scheme for Testing / Calibration 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 category of Water, Fertilizer and Fertilizer Products, Cosmetics and Steel as per the Test methods appearing in this schedule.

The Laboratory is accredited for the following tests appear on page 02 of 04, Page 03 of 04 and Page 04 of 04

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>01. Water</b>				
1.1	Bottle Drinking Water, Portable Water, Natural Water, Treated water, Ice	Sulphate	APHA 23 <sup>rd</sup> Ed., 4500-SO <sub>4</sub> <sup>2-</sup> E	10 mg/ L
		Suspended Solids	APHA 23 <sup>rd</sup> Ed., 2540 - D	4 mg/ L
		Total Dissolved Solids	APHA 23 <sup>rd</sup> Ed., 2540 - C	4 mg/ L
		Turbidity	APHA 23 <sup>rd</sup> Ed., 2130- B	0.1 NTU
		Magnesium	APHA 23 <sup>rd</sup> Ed., 3500- Mg B	1 mg/ L
		Nitrate	APHA 23 <sup>rd</sup> Ed., 4500- NO <sub>3</sub> B	1 mg/ L
		pH	APHA 23 <sup>rd</sup> Ed , 4500- H <sup>+</sup> B	2 - 12
		Total Phosphorous ( As P)	APHA 23 <sup>rd</sup> Ed., 4500- P C	0.2 mg/ L
		Chloride	APHA 23 <sup>rd</sup> Ed, 4500- Cl <sup>-</sup> B	1 mg/ L
		Electrical Conductivity	APHA 23 <sup>rd</sup> Ed., 2510 - B	1 µS/cm
		Hardness	APHA 23 <sup>rd</sup> Ed., 2340 - C	1 mg/ L
		Total Alkalinity	APHA 23 <sup>rd</sup> Ed., 2320- B	20 mg/ L
1.2	Distilled water	Electrical Conductivity	APHA 23 <sup>rd</sup> Ed., 2510 - B	1 µS/cm
		pH	APHA 23 <sup>rd</sup> Ed , 4500- H <sup>+</sup> B	2-12

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
<b>02. Fertilizer &amp; Fertilizer Products</b>				
2.1	Inorganic Fertilizer – Solid and Powder Form  (Urea, Ammonium Sulphate, Muriate of Potash-MOP, Rock Phosphate, Triple Super phosphate - TSP, Dolomite, Kieserite, Epsom Salt, KSO <sub>4</sub> , Di-ammonium Phosphate- DAP, Single Super Phosphate-SSP, Mixed Inorganic fertilizers)	Total Nitrogen (urea)	SLS 645: Part 1:2009 Section C	45% -47%
		Ammonical Nitrogen (NH <sub>4</sub> – N)	SLS 645: Part 1:2009 Section B	1.0 %
		Total Phosphorus (Higher Concentration)	SLS 645: Part 5:1985 Clause 7	0.4 %
		Water Soluble Phosphorus	SLS 645:Part 5: 1985 Clause 08	1.0 %
		Water Soluble Phosphorus (As a percentage of total phosphorus)	SLS 645: Part 5:1985	1.0 %
		Citric Acid Soluble Phosphorus	SLS 645: Part 5:1985, Clause 10	1.0 %
		Biuret	SLS 645: Part 3:2009, Method 02	0.2 %
		Moisture (Except those that yield volatile Substance other than water at drying Temperature)	SLS 645:Part 2:1984 Method 01	0.1 %
		Moisture (Those that yield volatile Substance other than water at drying Temperature)	SLS 645:Part 2:1984 Method 02	0.1 %
		Hg	EPA 7473 (Direct Mercury analysis method)	0.010 mg/L

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
<b>03. Cosmetics</b>				
3.1	Tooth paste , Cream products, Detergent powder & liquid, Face & body powder	Hg	EPA 7473 (Direct Mercury analysis method)	0.010 mg/L
<b>04. Steels</b>				
4.1	Low Alloy Steels	Carbon (C)	ASTM E415 - 21	0.002%
		Silicon (Si)		0.002%
		Chromium (Cr)		0.001%
		Nickel (Ni)		0.002%
		Copper (Cu)		0.001%
		Vanadium (V)		0.001%
4.2	Stainless Steel	Carbon (C)	ASTM 1086 - 14	0.002%
		Silicon (Si)		0.010%
		Manganese (Mn)		0.001%
		Chromium (Cr)		0.002%
		Nickel (Ni)		0.002%

Director/CEO  
Sri Lanka Accreditation Board for Conformity Assessment