

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



Valid from 27 April 2022
To 15 January 2023
Issued on 27 April 2022



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 appearing in this schedule..

The laboratory is accredited for the following tests as per given in the page 02 of 03 and page 03 of 03.

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Water & Waste Water	Sulphate	APHA 23 rd Ed., 4500-SO ₄ ²⁻ E	10 mg/ L
		Suspended Solids	APHA 23 rd Ed., 2540 - D	4 mg/ L
		Total Dissolved Solids	APHA 23 rd Ed., 2540 - C	4 mg/ L
		Turbidity	APHA 23 rd Ed., 2130- B	0.1 NTU
		Magnesium	APHA 23 rd Ed., 3500- Mg B	1 mg/ L
		Nitrates	APHA 23 rd Ed., 4500- NO ₃ B	1 mg/ L
		pH	APHA 23 rd Ed , 4500- H ⁺ B	2 - 12
		Total Phosphorous (As P)	APHA 23 rd Ed., 4500- P C	0.2 mg/ L
		Chloride	APHA 23 rd Ed, 4500- Cl ⁻ B	1 mg/ L
		Electrical Conductivity	APHA 23 rd Ed., 2510 - B	1 μS/cm
		Hardness	APHA 23 rd Ed., 2340 - C	1 mg/ L
		Total Alkalinity	APHA 23 rd Ed., 2320- B	20 mg/ L
		Albuminoid Ammonia,	SLS 614: Part1:2013	0.02 mg/ L
		Calcium	APHA 23 rd Ed., 3500 - Ca B	1mg/ L
02	Water	Taste	CH-TM-5.4-001 Sensory evaluation	-
03	Fertilizer & Fertilizer Mixtures	Total Nitrogen	SLS 645: Part 1:2009 Section C	1.0 %
		Ammonical Nitrogen (NH ₄ -N)	SLS 645: Part 1:2009 Section B	1.0 %
		Total Phosphorus	SLS 645: Part 5:1985 Clause 7	1.0 %
		Total Potassium	CH_TM_5.4_003 (Based on SLS 645: Part 4:1989, Section 01)	1.0 %
		Water Soluble Phosphorus	CH_TM_5.4_002 (Based on AOAC 983.02)	1.0 %
		Calcium	SLS 645: Part 6:1990, Section 01	1.0 %
		Magnesium	SLS645: Part 6:1990, Section 01	1.0 %
		Water Soluble Phosphorus	SLS 645: Part 5:1985, Clause 8	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 %

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
04	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 6486-1:2019	Cd :- 0.02 mg/l, for Hollow ware & Cups & Mugs
				Cd :- 0.01 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

C. N. G. M.

Director/CEO

Sri Lanka Accreditation Board for Conformity Assessment



Valid from 16 January 2023
to 15 May 2023
Issued on 20 March 2023

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 / 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 tests in metal and heavy metal analysis on product category of food and agricultural products, fertilizer, 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 03, Page 03 of 03



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
1. Food and agricultural products				
1.1	Fish & Meat Products (Fish, Chicken Sausages, meat balls, fish balls, canned fish)	Arsenic (Total) as (As) Cadmium as Cd Mercury as Hg	CH(RA)_TM_7.2_01 (Modified AOAC Official Method 2013.06) (2016 Edition, P.21 and clause no.9.1.10)	0.001 mg/kg
1.2	Cereal and Cereal based products (Rice flour, Wheat flour, Biscuit, Rice Noodles, Instant Noodles, Pasta, processed cereal based foods for Infants and Young children, Instant Thosai Mix, Instant Hopper mix, Instant Idly mix)	Arsenic as As Lead as Pb Cadmium as Cd	CH(RA)_TM_7.2_01 (Modified AOAC Official Method 2013.06) (2016 Edition, P.21 and clause no.9.1.10)	0.001 mg/kg
1.3	Fats & Oils products (Coconut Oil, Vegetable oil, Palm Oil, Palm Olein, Palm Kernel Oil, Sunflower Oil, Soya bean oil, Dairy Fat spread)	Arsenic as As Lead as Pb Cadmium as Cd	CH(RA)_TM_7.2_01 (Modified AOAC Official Method 2013.06) (2016 Edition, P.21 and clause no.9.1.10)	0.001 mg/kg
2. Fertilizer				
2.1	Urea (Prilled and Granular), Single Super Phosphate (Granular and Powder form), Sulphate of Ammonia, Potassium chloride, Triple Super phosphate (TSP), Mixed Fertilizer	Arsenic as As Lead as Pb Cadmium as Cd Chromium as Cr Nickel as Ni	CH(RA)_TM_7.2_01 (Modified AOAC Official Method 2006.03) (2016 Edition, P.42 and clause no.2.6.35)	0.001 mg/kg
2.2	Fertilizer	Hg	EPA 7473 (Direct Mercury analysis method)	0.010 mg/L
3. Cosmetics				
3.1	Cosmetics	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
4. Steels				
4.1	Low Alloy Steels	Carbon (C)	ASTM E415 - 21	0.002%
		Silicon (Si)		0.002%
		Chromium (Cr)		0.002%
		Nickel (Ni)		0.001%
		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)		0.030%
		Nickel (Ni)		0.051%

C. A. G. M.
 Director/CEO
 Sri Lanka Accreditation Board for Conformity Assessment

