



Valid from 21 July 2023
to 15 January 2026
Issued on 21 July 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 testing on product category of food and agricultural products, fertilizer and fertilizer products and Water 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, Page 04 of 04



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 <i>(Fish, Chicken Sausages, meat balls, fish balls, canned fish, Ham)</i>	Arsenic (Total) as (As) Cadmium as Cd Mercury as Hg Lead as Pb	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 <i>(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, Wafers. Kurakkan flour and Milled rice)</i>	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 <i>(Coconut Oil, Vegetable oil, Palm Oil, Palm Olein, Palm Kernel Oil, Sunflower Oil, Soya bean oil, Dairy Fat spread, Corn oil and Sesame oil)</i>	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
1.4	Food stuffs of marine and plant origin by anion-exchange HPLC-ICP-MS	Inorganic Arsenic (Total As ³⁺ and As ⁵⁺)	BS EN 16802:2016	0.002 mg/kg
1.5	Sugar and sugar based products <i>(White sugar, Brown sugar, Jaggery, Treacle, Soft candy, Hard candy, Sweetened condensed milk, Jelly, Marmalade, Chocolate Soft drink powder mix, and Honey, Icing sugar)</i>	Arsenic as As Lead as Pb Cadmium as Cd Copper as Cu Chromium as Cr	CH(RA)_TM_7.2_01 Based on AOAC Official Method 2013.06 (21st Edition, P.21 and clause no. 9.1.10)	0.001 mg/kg
1.6	Fruits and vegetable based products <i>(Fruit drinks, Jam, Ready to serve drink, Fruit squash, Fruit syrup, Fruit cordial, Canned pineapple, Canned mangoes, Tomato sauce, chili sauce, Soya sauce, Tomato concentrate, Mango chutney and Pickle)</i>	Arsenic as As Lead as Pb Cadmium as Cd Tin as Sn	CH(RA)_TM_7.2_01 Based on AOAC Official Method 2013.06 (21st Edition, P.21 and clause no. 9.1.10)	0.001 mg/kg
1.7	Spices <i>(Curry powder, Turmeric powder, Chili powder and pepper)</i>	Arsenic as As Lead as Pb Cadmium as Cd	CH(RA)_TM_7.2_01 Based on AOAC Official Method 2013.06 (21st Edition, P.21 and clause no. 9.1.10)	0.001 mg/kg



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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	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
		Lead as Pb		
		Cadmium as Cd		
		Chromium as Cr		
		Nickel as Ni		
2.2	Inorganic Fertilizer – Solid and Powder Form <i>(Urea, Ammonium Sulphate, Muriate of Potash-MOP, Rock Phosphate, Triple Super phosphate - TSP, Dolomite, Kieserite, Epsom Salt, KSO₄, Di-ammonium Phosphate- DAP, Single Super Phosphate-SSP, Mixed Inorganic fertilizers)</i>	Hg	EPA 7473 (Direct Mercury analysis method)	0.010 mg/L
		Total Nitrogen (Mixed inorganic fertilizer)	CH_TM_7.2_08 (Modified SLS 645:Part 1:2009 Section C)	0.1%
		Total Phosphorus (Lower concentration)	CH_TM_7.2_09 (Modified SLS 645:Part 5:1985 Clause 7)	0.1 %
2.3	Organic Solid Fertilizers, <i>(Compost & compost mixtures, specialty fertilizers, sterilized fertilizers, mixed organic fertilizers)</i> Organic Liquid Fertilizers, Organic + Inorganic fertilizers	Total Nitrogen	CH_TM_7.2_08 (Modified SLS 645 : Part 1:2009 Section C)	0.1%
		Total Phosphorous (High Concentration)	SLS 645 : Part 5 :1985 Clause 7	0.4 %
		Total Phosphorous (Low Concentration)	CH_TM_7.2_09 (Modified SLS 645 : Part 5: 1985 Clause 7)	0.1%
		Moisture	SLS 645 : Part 2:1984 Method 1	0.1 %
		pH	SLS 1526 : 2016	1 - 12
		Conductivity	ISO 11265 : 1994	10 µS/ Cm
		Hg	EPA 7473 (Direct Mercury Analysis Method)	0.01 mg/ L
2.4	Organic Liquid fertilizer	Arsenic as As	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
		Lead as Pb		
		Cadmium as Cd		
		Chromium as Cr		



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3. Water				
5.1	Bottled Drinking water / Natural water / Source water	Arsenic as As	APHA 23 rd Edition (3125)	0.001 mg/kg
		Lead as Pb		
		Cadmium as Cd		
		Chromium as Cr		
		Copper as Cu		
		Nickel as Ni		
		Manganese as Mn		
		Selenium as Se		
		Antimony as Sb		
		Mercury as Hg		
		Barium as Ba		
		Zinc as Zn		0.005 mg/kg
		Aluminum as Al		0.006 mg/kg

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment

