

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



Valid from 20 June 2018
to 30 November 2020
Issued on 20 June 2018



ISO/IEC 17025
TL 004 - 05

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 004 – 05

Residual Analysis Laboratory
Industrial Technology Institute
No.210 / 4, Wijerama Mawatha
Colombo 07.

Scope of Accreditation: Performing residue analysis and trace metal analysis in product categories of Water, Waste water, Food & agricultural products and Fertilizer as per the test methods appearing 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
01	Fish	Arsenic	RAL/MM/02/02/001	0.05 – 5.0 mg/kg
		Mercury		
02	Foods of animal origin	Chloramphenicol	RAL/MM/01/03/001	0.5-4.0 mg/kg
03	Fruits & Vegetables	Ethephon	RAL/MM/01/05/002	0.1-10 mg/L
04	Fish	Histamine	RAL/MM/01/03/001	0.3-2 mg/kg
05	Spice	Sudan I Sudan II Sudan III Sudan IV	RAL/MM/01/06/001	0.1- 4.0 mg/kg 0.1- 4.0 mg/kg 0.2-1.5 mg/kg 0.25-5.0 mg/kg

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
06	Water , Waste Water	Cr (AAS / Flame)	APHA 3111 B	0.05 - 8.0 mg/L
		Cd (AAS / Flame)	APHA 3111 B	0.02 - 3.0 mg/L
		Mn (AAS / Flame)	APHA 3111 B	0.02 - 5.0 mg/L
		Fe (AAS / Flame)	APHA 3111 B	0.1 - 8.0 mg/L
		Pb (AAS / Flame)	APHA 3111 B	0.1 - 10.0 mg/L
		Sb (AAS / Flame)	APHA 3111 B	0.5 - 8.0 mg/L
		Co (AAS / Flame)	APHA 3111 B	0.05 - 5.0 mg/L
		Cu (AAS / Flame)	APHA 3111 B	0.05 - 5.0 mg/L
		Ni (AAS / Flame)	APHA 3111 B	0.1 - 6.0 mg/L
		Zn (AAS / Flame)	APHA 3111 B	0.02 - 2.0 mg/L
		Ag (AAS / Flame)	APHA 3111 B	0.5 - 15.0 mg/L
		K (AAS / Flame)	APHA 3111 B	1.00 - 5.0 mg/L
		Na (AAS / Flame)	APHA 3111 B	2.00 - 10.0 mg/L
		As (AAS / VGA)	APHA 3114 C	0.001 - 0.025 mg/L
		Se (AAS / VGA)	APHA 3114 C	0.001 - 0.025 mg/L
		Al (AAS / Flame)	APHA 3111 D	0.50 - 50.0 mg/L
		Ba (AAS / Flame)	APHA 3111 D	0.50 - 8.0 mg/L
		Silica (AAS / Flame)	APHA 3111 D	3.00 - 50.0 mg/L
		Sn (AAS / Flame)	APHA 3111 D	1.00 - 50.0 mg/L
		V (AAS / Flame)	APHA 3111 D	1.00 - 50.0 mg/L
Ca (AAS / Flame)	APHA 3111 D	0.01 - 3.0 mg/L		

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Water , Waste Water	α HCH	RAL/ MM /01/01/001	0.08 – 0.4 μg /L
		β HCH		
		γ HCH		
		δ HCH		
		Heptachlor		
		Aldrine		
		Heptachloroepoxide		
		Endosulfan I		
		Endosulfan II		
		Dieldrin		
		Endrin		
		P,P' DDE		
		O,P, DDD		
		P,P' DDD		
		P,P' DDT		
		Endrin Aldehyde		
		Endosulfan Sulphate		
Triflurin				
HCB				

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
07	Water & Waste Water	Dimethoate	RAL/ MM / 01/01/001	1 – 4 µg /L
		Fenitrothion		
		Malathion		
		Profenophos		
		Pirimiphos methyl		
		Chlopyrifos		
		Phenthoate		
		Diazinon		
08	Water & Waste Water	Glyphosate	RAL/ MM / 01/01/003	0.005-10.0 mg/L
		AMPA		
		Glufosinate		
		Ammonium		
		Metribuzin		
		Hexaconazole		
		Tebuconazole		
		BPMC		
		Thiamethoxam		
		Carbofuran		
		Fipronil		
		Imidacloprid		
		Quinalfos		
		Dimethoate		
		Diuron		
		Captan		
Methomyl				
Tricyclazole				

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
08	Water & Waste Water	Isoprothiolane	RAL/ MM / 01/01/003	0.005-10.0 mg/L
		Fenamiphose		
		Flutolanil		
		Triazophos		
		Bispyribac Sodium		
09	Inorganic Fertilizers	Chromium(Cr)	RAL/MM/02/03/001	1.0 – 250.0 µg/kg
		Cobalt(Co)		
		Nickel(Ni)		
		Copper(Cu)		
		Lead(Pb)		
		Cadmium(Cd)		
		Arsenic(As)		
		Selenium(Se)		
		Mercury(Hg)	RAL/MM/02/03/001	1.0 – 25.0 µg/kg

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
10	Water	Silver (Ag)	USEPA 200.8	1 – 200 µg/L
		Aluminium (Al)		1 – 200 µg/L
		Arsenic (As)		1 – 200 µg/L
		Barium (Ba)		1 – 200 µg/L
		Beryllium (Be)		1 – 200 µg/L
		Cadmium (Cd)		1 – 200 µg/L
		Copper (Cu)		1 – 200 µg/L
		Cobalt (Co)		1 – 200 µg/L
		Chromium (Cr)		1 – 200 µg/L
		Iron (Fe)		1 – 200 µg/L
		Potassium (K)		0.5 – 10.0 µg/L
		Manganese (Mn)		1 – 200 µg/L
		Sodium (Na)		0.5 – 10.0 µg/L
		Nickel (Ni)		1 – 200 µg/L
		Lead (Pb)		1 – 200 µg/L
		Selenium (Se)		1 – 200 µg/L
		Thallium (Tl)		1 – 200 µg/L
		Uranium (U)		1 – 200 µg/L
		Vanadium (V)		1 – 200 µg/L
		Zinc (Zn)		1 – 200 µg/L
		Mercury (Hg)		1 – 200 µg/L
		Gold (Au)		1 – 200 µg/L
		Palladium (Pd)		1 – 200 µg/L
Platinum (Pt)	1 – 200 µg/L			
Antimony (Sb)	1 – 200 µg/L			
Boron (B)	1 – 200 µg/L			
Molybdenum (Mo)	1 – 200 µg/L			
Titanium (Ti)	1 – 200 µg/L			
11	Waste water	Arsenic (As)	APHA 3125 B	1 – 200 µg/L
		Cadmium (Cd)		1 – 200 µg/L
		Chromium (Cr)		10 – 250 µg/L
		Copper (Cu)		10 – 250 µg/L
		Iron (Fe)		0.10 – 8.0 µg/L
		Lead (Pb)		10 – 250 µg/L
		Mercury (Hg)		0.5 - 25 µg/L
		Nickel (Ni)		10 – 250 µg/L
		Selenium (Se)		1 – 200 µg/L
		Zinc (Zn)		0.02 – 2.00 µg/L
		Boron (B)		0.5 – 5.0 µg/L
		Vanadium (V)		1 – 200 µg/L
		Cobalt (Co)		1 – 200 µg/L
Uranium (U)	1 – 200 µg/L			

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
12	Fruits & Vegetables	Profenophos	RAL/ MM / 01/05/001	0.005-10.0 mg/kg
		Pirimiphos methyl		
		Chlopyrifos		
		Phenthoate		
		Diazinon		
		Fenoxaprop-p-ethyl		
		Fenthion		
		Norvaluron		
		Deltamethrin		
		Metribuzin		
		Hexaconazole		
		Tebuconazole		
		BPMC		
		Thiamethoxam		
		Carbofuran		
		Fipronil		
		Imidacloprid		
		Quinalfos		
		Dimethoate		
		Fenitrothion		
		Captan		
		Methomyl		
		Tricyclazole		
Isoprothiolane				
Fenamiphos				
Triazophos				
Flutolanil				

Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment