



Valid from 30 June 2025
To 29 June 2029
Issued on 30 June 2025

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



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

Residue Analysis Laboratory Industrial Technology Institute

No: 363, Bauddhaloka Mawatha, Colombo 07.

Scope of Accreditation: Performing residue analysis and trace metal analysis analysis in product categories of Water, Waste water, Food & agricultural products, Fertilizer and Cosmetics as per the test methods appearing in this Schedule.

The laboratory is accredited for the following tests as per the page 02 of 11 to Page 11 of 11 given below,

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	Water	Silver (Ag)	RAL/MM/02/01/004	1 – 200 µg/ L
		Aluminium (Al)		10 – 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)		10 – 200 µg/ L
		Cobalt (Co)		1 – 200 µg/ L
		Chromium (Cr)		10 – 200 µg/ L
		Iron (Fe)		10 – 200 µg/ L
		Potassium (K)		0.5 -10.0 mg/ L
		Manganese (Mn)		1 – 200 µg/ L
		Sodium (Na)		0.5 -10.0 mg/ 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)		10 – 200 µg/ L
		Mercury (Hg)		1 – 25 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)		10 – 200 µg/ L
		Molybdenum (Mo)		1 – 200 µg/ L
		Titanium (Ti)		1 – 200 µg/ L

Sl 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
2	Waste water	Arsenic (As)	RAL/MM/02/01/005	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 mg/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 mg/L
		Boron (B)		0.5 – 5.0 mg/L
		Vanadium (V)		1 – 200 µg/L
		Cobalt (Co)		1 – 200 µg/L
		Uranium (U)		1- 200 µg/L
3	Inorganic Fertilizer	Chromium (Cr)	RAL/MM/02/03/001	0.1 – 25 mg/kg
		Cobalt (Co)		
		Nickel (Ni)		
		Copper (Cu)		
		Lead (Pb)		
		Cadmium (Cd)		
		Arsenic (As)		
		Selenium (Se)		
		Mercury (Hg)		0.1 – 2.5 mg/kg
4	Organic Solid Fertilizers	Chromium (Cr)	RAL/MM/02/03/002	0.1 – 25 mg/kg
		Cobalt (Co)		
		Nickel (Ni)		
		Copper (Cu)		
		Lead (Pb)		
		Cadmium (Cd)		
		Arsenic (As)		
		Selenium (Se)		
		Mercury (Hg)		0.1 – 2.5 mg/kg

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
5	Organic Liquid Fertilizers	Chromium (Cr)	RAL/MM/02/03/003	0.1 – 25 mg/L
		Cobalt (Co)		
		Nickel (Ni)		
		Copper (Cu)		
		Lead (Pb)		
		Cadmium (Cd)		
		Arsenic (As)		
		Selenium (Se)		
		Mercury (Hg)		0.1 – 2.5 mg/L
6	Cereal & Cereal based products	Arsenic (As)	RAL/MM/02/02/003	0.05 – 10 mg/kg
		Cadmium (Cd)		0.05 -1.25 mg /kg
		Mercury (Hg)		0.08 – 10 mg /kg
		Lead (Pb)		
7	Fruit juices, squashes , cordials ,Fruit drinks	Arsenic (As)	RAL/MM/02/02/002	0.05 – 10 mg/L
		Cadmium (Cd)		
		Lead (Pb)		
		Tin (Sn)		
		Mercury (Hg)		0.05 – 1.25 mg/L
8	Skin creams & lotions	Arsenic (As)	RAL/MM/02/04/001	0.05 – 10 mg/kg
		Cadmium (Cd)		
		Lead (Pb)		
		Mercury (Hg)		0.05 -1.25 mg/kg
9	Toothpaste	Arsenic (As)	RAL/MM/02/04/001	0.05 – 10 mg/kg
		Cadmium (Cd)		
		Antimony (Sb)		
		Lead (Pb)		
		Mercury (Hg)		0.05 -1.25 mg /kg
10	Fish	Arsenic (As)	RAL/MM/02/02/004	0.05 – 12.5 mg/kg
		Cadmium (Cd)		0.025 – 12.5 mg/kg
		Mercury (Hg)		0.05 -1.25 mg /kg
		Lead (Pb)		0.05 – 12.5 mg/kg

Sl 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
11	Water (Drinking Water, source water), Waste Water (Raw water, Treated water)	a HCH	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		b HCH	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		g HCH	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		d HCH	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Aldrin	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Dieldrin	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Endosulfan sulphate	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Endosulfan I	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Endosulfan II	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Endrin	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Endrin aldehyde	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		HCB	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Heptachlor	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Heptachloroepoxide	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		O,P' DDD	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		P,P' DDD	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		P,P' DDE	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		P, P' DDT	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
		Triflurin	RML/MM/01/01/001	0.08 µg/L - 0.4 µg/L
12	Water (Drinking Water, source water)	AMPA	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Bispyribac Sodium	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		BPMC	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Captan	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Carbofuran	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Diazinon	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Dimethoate	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Diuron	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Fenamiphos	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Fipronil	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L

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12	Water (Drinking Water, source water)	Flutolanil	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Glufosinate Ammonium	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Glyphosate	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Hexaconazole	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Imidacloprid	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Isoprothiolane	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Methomyl	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Metribuzin	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Quinalfos	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Tebuconazole	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Thiamethoxam	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Trazophos	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Tricyclazole	RAL/MM/01/01/003	0.005 mg/L – 0.100 mg/L
		Fenitrothion	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
		Fenthion	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
		Malathion	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
		Phenthoate	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
		Pirimiphos methyl	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
		Profenofos	RAL/MM/01/01/003	0.010 mg/L – 0.100 mg/L
13	Fruits & Vegetables	Metribuzin	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Hexaconazole	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Tebuconazole	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		BPMC	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Diazinon	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Thiamethoxam	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Carbofuran	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Fipronil	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Imidacloprid	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg

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13	Fruits & Vegetables	Quinalfos	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Dimethoate	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Captan	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Methomyl	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Tricyclazole	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Isoprothiolane	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Fenamiphos	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Flutolanil	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Triazophos	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Fenitrothion	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Chlorpyrifos	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Phenthoate	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Profenofos	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Fenoxaprop-p-ethyl	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Pirimiphos Methyl	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Fenthion	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Norvaluron	RAL/MM/01/05/001	0.005 mg/kg - 0.10 mg/kg
		Ethephon	RAL/MM/01/05/002	0.010 mg/kg - 2.000 mg/kg
14	Fish & canned fish (except dehydrated Items)	Histamine	RAL/MM/01/03/001	10 - 200 mg/kg
15	Food of Animal Origin	Chloramphenicol	RAL/MM/01/07/001	0.0002 mg/kg – 5.0 mg/kg
16	Water	a HCH	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		b HCH	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		g HCH	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		d HCH	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Aldrin	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Dieldrin	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L

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16	Water	Endosulfan sulphate	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Endosulfan I	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Endosulfan II	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Endrin	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Endrin aldehyde	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		HCB	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Heptachlor	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Heptachloroepoxide	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		o,p' DDD	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		p,p' DDE	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		p,p' DDT	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
		Trifluralin	RAL/MM/01/01/002	0.01 µg/L - 0.24 µg/L
17	Spices	Bispyribac sodium	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Carbofuran	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Chlorpyrifos	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Diazinon	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Dimethoate	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Diuron	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Fenamiphos	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Fenoxaprop-p-ethyl	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Fenthion	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Fipronil	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Flutolanil	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Flutriafol	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Hexaconazole	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Imidacloprid	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Indoxacarb	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Methomyl	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Metribuzin	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg

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17	Spices	Norvaluron	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Pirimiphos Methyl	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Profenofos	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Pyraclostrobin	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Quinalfos	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Tebuconazole	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Thiacloprid	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Thimethoxam	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Triazophos	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
		Tricyclazole	RAL/MM/01/04/001	0.005 mg/kg-0.25 mg/kg
18	Tea	Azoxystrobin	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Bitertanol	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Captan	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Carbofuran	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Diazinon	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Dimethoate	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Diuron	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Fenamiphos	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Fenitrothion	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Fenoxaprop-p-ethyl	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Fenthion	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Fipronil	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Flutolanil	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Flutriafol	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Hexaconazole	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Imidacloprid	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Indoxacarb	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg

Sl 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
18	Tea	Isoprothiolane	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Norvaluron	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Phenthoate	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Pirimiphos Methyl	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Profenofos	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Pyraclostrobin	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Quinalfos	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Tebuconazole	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Tebufenozide	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Thiacloprid	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Triazophos	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		Tricyclazole	RAL/MM/01/02/001	0.005 mg/kg - 0.25 mg/kg
		MCPA	RAL/MM/01/02/002	0.005 mg/kg-0.25 mg/kg
19	Food of Animal Origin	Sulfadimethoxine	RAL/MM/01/07/002	1.0 µg/kg-50.0 µg/kg
		Sulfamerazine		
		Sulfathiazole		
		sulfachloropyridazine		
		sulfadiazine		
		sulfamethoxypridazine		
		Sulfamothaxazole		
		sulfamethazine		
20	Tea	Aflatoxin B1	RAL/MM/01/08/002	4.0 µg/kg-1600 µg/kg
		Aflatoxin B2		
		Aflatoxin G1		
		Aflatoxin G2		
21	Spices	Aflatoxin B1	RAL/MM/01/08/001	1.6 µg/kg-200 µg/kg
		Aflatoxin B2		
		Aflatoxin G1		
		Aflatoxin G2		

22	Cereals	Aflatoxin B1	RAL/MM/01/08/003	0.8 µg/kg-200 µg/kg
		Aflatoxin B2		
		Aflatoxin G1		
		Aflatoxin G2		
23	Soil	AMPA	RAL/MM/01/09/001	0.1 mg/kg- 2.5 mg/kg
		Glyphosate		
24	Tea	Glyphosate	RAL/MM/01/02/003	0.025 – 5.000 mg/kg

Acting Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment