



Valid from 14 May 2020
to 13 May 2023
Issued on 14 May 2020

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.120/A, Widya Mawatha
Colombo 07.

Scope of Accreditation: Performing residue analysis and trace metal 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.

| 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 | Histamine | RAL/MM/01/03/001 | 0.2 mg/kg |
| 02 | Spice | Sudan I Sudan II Sudan III Sudan IV | RAL/MM/01/06/001 | 0.5 mg/kg |

| SI NO. | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection |
|--------|---|--------------------------|--|---------------------------------------|
| 03 | Cereal & Cereal based products | Arsenic (As) | RAL/MM/02/02/003 | 0.05-10 mg /kg |
| | | Cadmium(Cd) | | 0.05-10 mg /kg |
| | | Lead (Pb) | | 0.08-10 mg /kg |
| | | Mercury (Hg) | | 0.05-1.25 mg /kg |
| 04 | Fruit juices, quashes, 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 |
| 05 | Toothpaste | Antimony (Sb) | RAL/MM/02/04/001 | 0.05-10 mg /kg |
| | | Cadmium(Cd) | | |
| | | Lead (Pb) | | |
| | | Arsenic (As) | | |
| | | Mercury (Hg) | | 0.05-1.25 mg /kg |
| 06 | Skin Cream & Lotion | Arsenic (As) | RAL/MM/02/04/001 | 0.05-10 mg /kg |
| | | Cadmium(Cd) | | |
| | | Lead (Pb) | | |
| | | Mercury (Hg) | | 0.05-1.25 mg /kg |
| 07 | Foods of animal origin | Sulfadimethoxine | RAL/MM/01/07/002 | 1.0-50.0 µg /kg |
| | | Sulfamerazine | | |
| | | Sulfathiazole | | |
| | | Sulfachloropyridazene | | |
| | | Sulfadiazine | | |
| | | Sulfamethoxypridazine | | |
| | | Sulfamothaxazole | | |
| | | Sulfamthazine | | |
| | Chloramphenicol | RAL/MM/01/07/001 | 0.02 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 |
|-----------|-------------------------------|--------------------------|--|---------------------------------------|
| 08 | Water , Waste Water | α HCH | RAL/ MM /01/01/001 | 0.08 – 0.4 $\mu\text{g} /\text{L}$ |
| | | 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 |
|--------------|-------------------------------|--------------------------|--|---------------------------------------|
| 09 | Water & Waste Water | Dimethoate | RAL/ MM / 01/01/001 | 1- 4 µg /L |
| | | Fenitrothion | | |
| | | Malathion | | |
| | | Profenophos | | |
| | | Pirimiphos methyl | | |
| | | Chlopyrifos | | |
| | | Phenthoate | | |
| | | Diazinon | | |
| 10 | Water & Waste Water | Glyphosate | RAL/ MM / 01/01/003 | 1 µg /L |
| | | AMPA | | 2 µg /L |
| | | Glufosinate Ammonium | | 1 µg /L |
| | | Metribuzin | | 2 µg /L |
| | | Hexaconazole | | 2 µg /L |
| | | Tebuconazole | | 1µg /L |
| | | BPMC | | 1 µg /L |
| | | Diazinon | | 1 µg /L |
| | | Thiamethoxam | | 2 µg /L |
| | | Carbofuran | | 2 µg /L |
| | | Fipronil | | 1µg /L |
| | | Imidacloprid | | 4µg /L |
| | | Quinalfos | | 1µg /L |
| | | Dimethoate | | 2 µg /L |
| | | Diuron | | 2 µg /L |
| | | Captan | | 1µg /L |
| | | Methomyl | | 3 µg /L |
| Tricyclazole | 1 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 |
|--------------|-------------------------------|--------------------------|--|---------------------------------------|
| 11 | Water & Waste Water | Isoprothiolane | RAL/ MM / 01/01/003 | 2µg /L |
| | | Fenamiphose | | 1µg /L |
| | | Flutolanil | | 1µg /L |
| | | Triazophos | | 1µg /L |
| | | Bispyribac Sodium | | 3µg /L |
| 12 | Inorganic Fertilizers | Chromium (Cr) | RAL/MM/02/03/001 | 0.1– 25.0 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 | Range of testing/ Limits of detection |
|-----------------|-------------------------------|--------------------------|--|---------------------------------------|
| 13 | 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 | | | |
| 14 | 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) | | 0.1 – 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 |

| SI NO. | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection |
|----------------|-------------------------------|--------------------------|--|---------------------------------------|
| 15 | Fruits & Vegetables | Pirimiphos methyl | RAL/MM/01/05/001 | 2µg /kg |
| | | Profenophos | | 4µg /kg |
| | | Chlopyrifos | | 3µg /kg |
| | | Phenthoate | | 2 µg /kg |
| | | Diazinon | | 2 µg /kg |
| | | Fenoxaprop-p-ethyl | | 2µg /kg |
| | | Fenthion | | 4 µg /kg |
| | | Norvaluron | | 2 µg /kg |
| | | Deltamethrin | | 4 µg /kg |
| | | Metribuzin | | 4 µg /kg |
| | | Hexaconazole | | 3 µg /kg |
| | | Tebuconazole | | 2 µg /kg |
| | | BPMC | | 2 µg /kg |
| | | Thiamethoxam | | 1 µg /kg |
| | | Carbofuran | | 2 µg /kg |
| | | Fipronil | | 4 µg /kg |
| | | Imidacloprid | | 4 µg /kg |
| | | Quinalfos | | 2 µg /kg |
| | | Dimethoate | | 3µg /kg |
| | | Fenitrothion | | 4 µg /kg |
| | | Captan | | 2µg /kg |
| | | Methomyl | | 2µg /kg |
| | | Tricyclazole | | 1µg /kg |
| Isoprothiolane | 4 µg /kg | | | |
| Fenamiphos | 4 µg /kg | | | |
| Triazophos | 3µg /kg | | | |
| Flutolanil | 4 µg /kg | | | |
| 16 | | Ethephone | RAL/MM/01/05/002 | 4 µg /kg |

| SI NO. | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection |
|---------------------|-------------------------------|--------------------------|--|---------------------------------------|
| 17 | Spices | Metribuzin | RAL/MM/01/04/001 | 5 µg /kg – 0.25 mg/kg |
| | | Hexaconazole | | |
| | | Tebuconazole | | |
| | | Diazinon | | |
| | | Thimethoxam | | |
| | | Carbofuran | | |
| | | Fipronil | | |
| | | Imidacloprid | | |
| | | Quinalfos | | |
| | | Dimethoate | | |
| | | Methomyl | | |
| | | Tricyclazole | | |
| | | Fenamiphos | | |
| | | Flutolanil | | |
| | | Triazophos | | |
| | | Chlopyrifos | | |
| | | Profenophos | | |
| | | Fenoxaprop-p-ethyl | | |
| | | Pirimiphos methyl | | |
| | | Fenthion | | |
| | | Norvaluron | | |
| | | Diuron | | |
| | | Pyraclostrobin | | |
| Flutriafol | | | | |
| Thiacloprid | | | | |
| Indoxacarb | | | | |
| Bispyrillbac sodium | | | | |

| SI NO. | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection |
|---------------|-------------------------------|--------------------------|--|---------------------------------------|
| 18 | Tea | Hexaconazole | RAL/MM/01/04/001 | 5µg/kg–0.25mg/kg |
| | | Tebuconazole | | |
| | | Diazinon | | |
| | | Carbofuran | | |
| | | Fipronil | | |
| | | Imidacloprid | | |
| | | Quinalfos | | |
| | | Dimethoate | | |
| | | Tricyclazole | | |
| | | Fenamiphos | | |
| | | Flutolanil | | |
| | | Triazophos | | |
| | | Chlopyrifos | | |
| | | Profenophos | | |
| | | Fenoxaprop-p-ethyl | | |
| | | Pirimiphos methyl | | |
| | | Fenthion | | |
| | | Norvaluron | | |
| | | Diuron | | |
| | | Pyraclostrobin | | |
| | | Flutriafol | | |
| | | Thiacloprid | | |
| | | Indoxacarb | | |
| | | Captan | | |
| | | Isoprothiolane | | |
| Fenithrothion | | | | |
| Phenthoate | | | | |
| Tebufenozide | | | | |
| Azoxystrobin | | | | |
| Bitertanol | | | | |
| 19 | MCPA | | RAL/MM/01/02/002 | 5.0 µg /kg - 0.25mg/kg |

| SI NO. | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed | Range of testing/ Limits of detection |
|---------------------|-------------------------------|--------------------------|--|---------------------------------------|
| 20 | Water , Waste Water | α HCH | RAL/ MM /01/01/002 | 0.01 – 0.24 $\mu\text{g/L}$ |
| | | β HCH | | |
| | | γ HCH | | |
| | | δ HCH | | |
| | | Heptachlor | | |
| | | Aldrine | | |
| | | Heptachloroepoxide | | |
| | | Endosulfan I | | |
| | | Endosulfan II | | |
| | | Dieldrin | | |
| | | Endrin | | |
| | | P,P' DDE | | |
| | | O,P, DDD | | |
| | | P,P' DDT | | |
| | | Trifluralin | | |
| Endrin Aldehyde | | | | |
| Endosulfan Sulphate | | | | |
| HCB | | | | |