

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



Valid from 22 August 2024
to 21 August 2028
Issued on 26 August 2024



ISO/IEC 17025
TL 020-01

Schedule of Accreditation

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

Accreditation Number: TL 020-01

MicroChem Laboratories Pvt Ltd

**No.134,
Dehiwala Road,
Bellanwila,
Boralesgamuwa.**

Scope of Accreditation: Performing Microbiological Testing on Water & Waste water , Fertilizer, Food & Agriculture products as per the methods appearing in this schedule.

The laboratory is accredited for the tests indicated in page 02 & 03.

SI	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
01	Water Bottled Drinking Water Municipal Water Well water Potable Water	Aerobic Plate Count at 30 ^o C (CFU) /ml	ISO 4833-I:2013	Minimum Detection limit =01
		Total Coliform Count (MPN)/100ml	SLS 1461 part 1 section 3:2013	0 – 1800+
		E.coli (MPN)/100ml	SLS 1461 part 1 section 3:2013	0 – 1800+
02	Swimming pool Water	Aerobic Plate Count at 35±0.5 ^o C (CFU) /mL	IS 3328: 1993	Minimum Detection limit =01
		Total Coliform Count(MPN)/100mL	SLS 1461part 1 section 3:2013	0-1800+
		E.coli (MPN)/100ml	SLS 1461 part 1 section 3:2013	0 – 1800+
		<i>Legionella</i> (CFU)/L	ISO 11731:2017	Minimum Detection limit =100
03	Water Municipal water Potable water Cooling tower water Well water	<i>Legionella</i> (CFU)/L	ISO 11731:2017	Minimum Detection limit =100
04	Food and Agricultural Products Tea Raw or Cooked Meat Raw or Cooked Seafood Raw or Cooked Vegetables Fruit Drinks Raw or Cooked Cereals & Pulses Herbs & Spices Starch products	Aerobic Plate Count at 30 ^o C (CFU) /g or ml	ISO 4833-I: 2013	Minimum Detection limit =10
		Total Coliform Count (MPN)/g or ml	ISO 4831:2006	0 – 1100+
		E.coli (MPN)/ g or ml	ISO 7251:2005	0 – 1100+
		<i>Salmonella</i> /25g	ISO 6579-1: 2017	Presence/Absence & serotype
		<i>Staphylococcus aureus</i> /g	ISO 6888-I:2021	Minimum Detection limit =100
		<i>Bacillus cereus</i> /g	ISO 7932:2004	Minimum 10 per g or 1 per ml
		<i>Enterobacteriaceae</i> per g/mL	ISO 21528-2: 2017	Minimum Detection limit = 1
05	Liquid Organic Fertilizer	Fecal Coliform Count (MPN) per mL/g	USEPA 1680: 2014	0.1803-1609+
	Solid Fertilizer Compost made from raw materials of agricultural origin	<i>Salmonella</i> spp. per 25mL/g	ISO 6579-1: 2017	Presence/Absence & serotype
	Compost from municipal solid waste and agriculture			
	Compost for organic agriculture			
Sterilized compost				
06	Waste water	Fecal Coliform Count	APHA (24 th Edition)	1.8-1600+

		(MPN) per 100ml	9221E	
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Chairman
Sri Lanka Accreditation Board for Conformity Assessment