



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

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



ISO/IEC 17025
TL 020-02

Schedule of Accreditation

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

Accreditation Number: TL 020-02

MicroChem Laboratories Pvt Ltd

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

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

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

Sl	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	Drinking Water Potable water Waste water Swimming pool water	pH	APHA 4500 - H+ B 24 th edition:2023	0 - 14
		Total Hardness, mg/L	APHA 2340 - C 24 th edition:2023	-
		Alkalinity, mg/L	APHA 2320 B 24 th edition:2023	-
		Chloride, mg/L	APHA 4500 B 24 th edition:2023	-
2.0 2.1	<u>Fertilizer</u> Liquid Organic Fertilizer	pH	SLS 645 Part 8	0-14
		Total Nitrogen content as N, per cent by mass, min	SLS 645: Part 1 Section C	-
		Total Phosphorus content as P ₂ O ₅ , per cent by mass, min.	SLS 645: Part 5	-
		Conductivity, dSm-1, max, for liquid	SLS 645: Part 9	MDL-0.1
		Total Organic Carbon as C, per cent, by mass, min.	SLS 645: Part 10	-
2.2	Solid Organic Fertilizer Compost made from raw materials of agricultural origin Compost from municipal solid waste and agriculture Compost for organic agriculture Sterilized compost Combined solid fertilizer	pH	SLS 645 Part 8	0-14
		Sand content percent by mass on dry basis, max	SLS 1635: 2019 Appendix E	-
		Moisture, percent by mass	SLS 645: Part 2	-
		Total Nitrogen content as N, per cent by dry mass, min	SLS 645: Part 1 Section C	-
		Total Phosphorus content as P ₂ O ₅ , per cent by dry mass, min.	SLS 645: Part 5	-
		C:N ratio	SLS 1635: 2019 Appendix D	-
		Conductivity, dSm-1, max.	SLS 645 Part 9	MDL- 0.1
		Total Organic Carbon as C, per cent, by dry mass, min.	SLS 645: Part 10	-
2.3	<u>Chemical Fertilizer</u> Urea Ammonium sulphate Ammonium chloride Ammonium phosphate Triple super phosphate(TSP) Single super phosphate (SSP)	Moisture, percent by mass	SLS 645:Part 2	-
		Total Nitrogen content as N, percent by dry mass, min	SLS 645:Part 1 Section C	-
		Ammonium nitrogen content, per cent by dry mass, min	SLS 645:Part 1 Section B	-
		Free acidity, as H ₂ SO ₄ , per cent by mass, max	SLS 620:2014 Appendix C	-

		Chlorides other than ammonium chloride as NaCl, per cent by dry mas, max	SLS 621:1983 Appendix A	-
		Total phosphorus content as P ₂ O ₅ per cent by dry mass, min	SLS 645: Part 5	-
		Water soluble phosphorus content as P ₂ O ₅ per cent by dry mass, min	SLS 645: Part 5	-
		Free Phosphoric acid, as P ₂ O ₅ ,per cent by mass ,max	SLS 1131: 2021 Appendix C	-
03	Waste water	pH	APHA 24 th Edition 4500 -H ⁺	0-14
		COD, mg/L	APHA 24 th Edition 5220 D	0-80 80-900
		TSS, mg/L	APHA 24 th Edition 2540 D	-
04	Spices, Fats & oil, cereal, Nuts, Animal feed	Aflatoxin B1	HPLC -Florescence with photochemical reactor (Chemical analysis of food TM Sec FD 5.0)	0.20 µg/Kg
		Aflatoxin B2		0.05 µg/Kg
		Aflatoxin G1		0.20 µg/Kg
		Aflatoxin G2		0.05 µg/Kg
		Total Aflatoxin		0.05 µg/Kg
05	Meat, fish and other products, cereals	Moisture	AOAC, 1984.24.003	0.16 % (by mass)
06	Spices & Condiments	Ash	ISO 928:1997	0.06% (by mass)
07	Cereals, Pulses & derived products	Protein	ISO 20483:2013	0.14 % (by mass)
08	Meat, fish and other products, cereal, animal feed, spice or is expected to contain volatile oils, milk powders and grain products	Crude fat	GB/T 5009.6:2016	0.10 % (by mass)
09	Butter	Salt	ISO 1738:2004	0.02% (by mass as NaCl)
10	Sugar Confectionery	Total sugar as Sucrose, per cent by mass	SLS 586:1982	1.0 % (by mass as Sucrose)

Chairman
Sri Lanka Accreditation Board for Conformity Assessment