



Valid from 28 December 2022
To 06 April 2024
Issued on 28 December 2022

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 Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 020-02

Chemical Laboratory
MicroChem Laboratories (Pvt) Ltd
No. 134, Dehiwala Road
Bellanwila, Borelasgamuwa.

Scope of Accreditation: Performing Chemical Testing on Organic Fertilizer, Chemical Fertilizer and Waste Water.

The laboratory is accredited for the tests given below.

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
1.1	Organic Fertilizer Liquid Organic Fertilizer	pH	SLS 1526	Range 0-14
		Total Nitrogen content as N, per cent by mass, min	SLS 645 : Part 1	MDL- 0.02%
		Total Phosphorus content as P ₂ O ₅ , per cent by mass, min.	SLS 645 : Part 5	MDL- 0.08%
		Conductivity, dSm-1, <i>max</i> , for liquid	ISO 11265	MDL- 0.1
		Total Organic Carbon as C, per cent, by mass, min.	DSLS 645: Part 10	MDL- 0.04%
1.2	Compost made from raw materials of agricultural origin	pH	SLS 1526	Range 0-14
		Sand content percent by mass on dry basis, max	SLS 1635: 2019 Appendix E	MDL- 0.003%
1.3	Compost from municipal solid waste and agriculture	Moisture, percent by mass	SLS 645: Part 2	MDL- 0.03%
		Total Nitrogen content as N, per cent by dry mass, min	SLS 645 : Part 1	MDL- 0.02%
1.4	Compost for organic agriculture	Total Phosphorus content as P ₂ O ₅ , per cent by dry mass, min.	SLS 645 : Part 5	MDL- 0.08%
1.5	Sterilized compost	C:N ratio	SLS 1635: 2019 Appendix D	-
		Conductivity, dSm-1, <i>max</i> .	SLS 1635: 2019 Appendix B	MDL- 0.1
		Total Organic Carbon as C, per cent, by dry mass, min.	DSLS 645: Part 10	MDL- 0.04%
2.1	Chemical Fertilizer Urea	Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
		Total Nitrogen content as N, per cent by dry mass, min	SLS 645 : Part 1	MDL- 0.02%
2.2	Ammonium sulphate	Ammonical nitrogen content, per cent by dry mass, min.	SLS 645 : Part 1	MDL-0.02%
		Free acidity, as H ₂ SO ₄ , per cent by mass, max.	SLS 620: 2014 Appendix C	MDL-0.001%
		Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
2.3	Ammonium chloride	Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
		Ammonical nitrogen content, per cent by dry mass, min.	SLS 645 : Part 1	MDL-0.02%
		Chlorides other than ammonium chloride as NaCl, per cent by dry mass, max.	SLS 621: 1983 Appendix A	MDL-0.10%
2.4	Ammonium phosphate	Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
		Ammonical nitrogen content, per cent by dry mass, min.	SLS 645 : Part 1	MDL-0.02%
		Total Phosphorus content as P ₂ O ₅ , per	SLS 645 : Part 5	MDL- 0.08%

		cent by dry mass, min.		
		Water soluble phosphorus, of the total phosphorus content as P ₂ O ₅ , per cent by mass, min.	SLS 645 : Part 5	MDL-0.04%
		Free phosphoric acid, as P ₂ O ₅ , per cent by mass, max.	SLS 1131: 2021 Appendix C	MDL-0.06%
2.5	Triple super – phosphate(TSP)	Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
		Total Phosphorus content as P ₂ O ₅ , per cent by dry mass, min.	SLS 645 : Part 5	MDL- 0.08%
		Water soluble phosphorus, of the total phosphorus content as P ₂ O ₅ , per cent by mass, min.	SLS 645 : Part 5	MDL-0.04%
		Free phosphoric acid, as P ₂ O ₅ , per cent by mass, max.	SLS 1131: 2021 Appendix C	MDL-0.06%
2.6	Single superphosphate(SSP)	Moisture, percent by mass	SLS 645: Part 2	MDL-0.03%
		Total Phosphorus content as P ₂ O ₅ , per cent by dry mass, min.	SLS 645 : Part 5	MDL- 0.08%
		Water soluble phosphorus, of the total phosphorus content as P ₂ O ₅ , per cent by mass, min.	SLS 645 : Part 5	MDL-0.04%
		Free phosphoric acid, as P ₂ O ₅ , per cent by mass, max.	SLS 1131: 2021 Appendix C	MDL-0.06%
3.1	Waste water	pH	APHA 23 rd Edition 4500-H ⁺	Range 0-14
		COD, mg/L	APHA 23 rd Edition 5220 D	Range 0-80 Range 80-900
		TSS, mg/L	APHA 23 rd Edition 2540 D	MDL-7.85

Director /CEO

Sri Lanka Accreditation Board for Conformity Assessment