



Valid from 23 October 2024
to 22 October 2028
Issued on 23 January 2025

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



ISO/IEC 17025
TL 090- 01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 090-01

Central Soil & Fertilizer Testing Laboratory
Horticultural Crops Research & Development Institute,
Department of Agriculture,
Gannoruwa,
Peradeniya

Scope of Accreditation: Performing chemical testing on Soil and Fertilizer as per the
Test Methods appearing in this Schedule

The laboratory is accredited for the following tests as per given in the pages 02 and 03.

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
1	Soil	pH	CS & FTL/P/7.2/03.1 (pH)	4.0-10.0
2		Electrical Conductivity	CS & FTL/P/7.2/03.2 (EC)	0.001-4.0 dS/m
3		Available Phosphorous	CS & FTL/P/7.2/03.3 (Av P)	0.05 – 400 mg/kg
4		Exchangeable Potassium	CS & FTL/P/7.2/03.4 (Ex. K)	2 – 1000 mg/kg
5		Exchangeable Ca	CS & FTL/P/7.2/03.5 (Ex. Ca & Mg)	0.005 – 2000 mg/kg
6		Exchangeable Mg		0.05 – 250 mg/kg
7		Organic Matter	CS & FTL/P/7.2/03.6 (OM)	0.3-64%
8		Available Iron as Fe	CS & FTL/P/7.2/03.7 (Average Micronutrients)	0.05 -100 mg/kg
9		Available Copper as Cu		0.05 -100 mg/kg
10		Available Manganese as Mn		0.01-60 mg/kg
11		Available Zinc as Zn		0.05– 20 mg/kg
12		Total Iron as Fe	CS & FTL/P/7.2/03.8 (Trace metal Total)	0.14 -60,000 mg/kg
13		Total Copper as Cu		0.014 -200 mg/kg
14		Total Mn as Mn		0.12 -2000 mg/kg
15		Total Zn as Zn		0.030 – 200 mg/kg
16		Total Lead as Pb		0.032 – 100 mg/kg
17		Total Cadmium as Cd		0.260 – 10,000 µg/kg
18		Total Arsenic as As		9.795-25,000 µg/kg
19		Total Chromium as Cr		0.011 – 250 mg/kg
20	Fertilizer	Total Nitrogen	CS & FTL/P/7.2/03.9 (Based on SLS 645: part 1: 2009)	1-60 %
21		Total Phosphorous as P ₂ O ₅	CS & FTL/P/7.2/03.10 (Based on SLS 645: part 5: 1985)	1-80 %
22		Water Soluble phosphorous as P ₂ O ₅	CS & FTL/P/7.2/03.11 (Based on SLS 645: part 5: 1985)	1-75 %
23		Potassium Content as K ₂ O	CS & FTL/P/7.2/03.12 (Based on SLS 645: part 4: 1989)	1-75 %
24		Moisture -TSP	CS & FTL/P/7.2/03.13 (Based on SLS 645: part 2: 1984)	1-60 %
25		Moisture - Urea		
26		Moisture - MOP		

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
27		Total Iron as Fe	CS & FTL/P/7.2/03.14 (Trace Metal Total)	0.14 -60,000 mg/kg
28		Copper as Cu		0.014 -200 mg/kg
29		Total Manganese as Mn		0.12 -2000 mg/kg
30		Total Zinc as Zn		0.18 – 40,000 mg/kg
31		Total Lead as Pb		0.032 – 100 mg/kg
32		Total Cadmium as Cd		0.260 – 10,000 µg/kg
33		Total Chromium as Cr		0.011 – 250 mg/kg
34		Total Arsenic as As		9.795-25,000 µg/kg
35	Compost	pH	CS & FTL/P/7.2/03.15 (Based on SLS Part 08)	3 - 10
36		Electrical Conductivity	CS & FTL/P/7.2/03.16 (Based on SLS 1635: Appendix B: 2019)	0.02 – 25 dS/m
37		Moisture	CS & FTL/P/7.2/03.17 (Based on SLS 645: Part 2: 1984)	1 – 90 %
38		Sand	CS & FTL/P/7.2/03.18 (SLS 1635: Appendix E: 2019)	2 – 80 %
39		Organic Carbon	CS & FTL/P/7.2/03.19 (Based on SLS Part 10)	1 – 90 %

Acting Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment