



Valid from 31 May 2021
To 30 May 2024
Issued on 31 May 2021

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 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 tests as per given in the page 02 of 02.

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	Soil	pH	CS & FTL/P/7.2/02 (pH)	3.0-10.0
02		Electrical Conductivity	CS & FTL/P/7.2/02 (EC)	0.001-4.0
03		Available Phosphorous	CS & FTL/P/7.2/02 (Av P)	0.05 - 400
04		Exchangeable Potassium	CS & FTL/P/7.2/02 (Ex. K)	2 - 1000
05		Exchangeable Ca	CS & FTL/P/7.2/02 (Ex. Ca & Mg))	0.005 - 2000
		Exchangeable Mg		0.05 – 250
06		Organic Matter	CS & FTL/P/7.2/02 (OM)	0.3-64
07		Available Iron as Fe	CS & FTL/P/7.2/012 (Ava. Micronutrients)	0.05 -100
		Available Copper as Cu		0.05 -100
		Available Manganese as Mn		0.01 -60
		Available Zinc as Zn		0.05 - 20
08		Total Iron as Fe	CS & FTL/P/7.2/02 (Trace metal Total)	0.1 - 50000
		Total Copper as Cu		0.1 - 2500
		Total Mn as Mn		0.1 - 15000
		Total Zn as Zn		0.1 - 5000
		Total Lead as Pb		0.1 - 25000
		Total Cadmium as Cd		0.05 – 1.0 0.05 - 30
		Total Chromium as Cr		0.5 - 35000
09	Fertilizer	Total Nitrogen	SLS 645: part 1: 2009	1-60
10		Total Phosphorous as P ₂ O ₅	SLS 645: part 5: 1985	1-80
11		Water Soluble phosphorous as P ₂ O ₅		1-75
12		Potassium Content as K ₂ O	SLS 645: part 4: 1989	1-75
13		Moisture -TSP	SLS 645: part 2: 1984	1-60
		Moisture - Urea		
		Moisture - MOP		
14		Total Iron as Fe	CS & FTL/P/7.2/02 (Trace metal Total)	0.1 - 50000
		Copper as Cu		0.1 - 25000
		Total Manganese as Mn		0.1 - 15000
	Total Zinc as Zn	0.1 - 5000		
	Total Lead as Pb	0.1 - 25000		
	Total Cadmium as Cd	0.05 – 1.0 0.05 - 30		
	Total Chromium as Cr	0.5 35000		