



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 054 - 01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity

Assessment Accreditation Number : TL 054 – 01

Central Analytical Laboratory
Horticultural Crops Research & Development Institute
Department of Agriculture
Gannoruwa, Peradeniya

Scope of Accreditation: Performing chemical testing on pesticides formulation and residue analysis 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

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	Pesticides Formulation Analysis	Fipronil	SOP/FA/02 (CIPAC 581/TC/M, Volume J, 2000 , page 61)	100-500mg/l (linear range of the equipment) 2 g/kg – 50g/kg or above	
		Diazinon	SOP/FA/01 (CIPAC H/(p-123) 15/WP/M, AOAC 982.6/ 21 th edition 2019)	100 – 1250 mg/l (linear range of the equipment) 10 -500g/kg or above	
		Physical Properties			
		Emulsion stability testing	SOP/FA/03 (CIPAC MT 36/18.1)	Oil or cream presented/not presented	
		Persistent forming testing	SOP/FA/07 (CIPAC MT 47)	1.0 – 60.0 ml	
		Wettability testing	SOP/FA/06 (CIPAC MT/53)	From one second to 120 seconds (2 minutes)	
		pH	SOP/FA/05 (CIPAC MT 75)	2 - 14	
		Density & Specific gravity	SOP/FA/04 (CIPAC MT 03)	0.8 – 1.2 g/ml	
02	Pesticide Residue Analysis	Analysis of pesticides residues in fruits and vegetables (diazinon, chlorpyrifos, prothiophos, fipronil, Oxyfluorfen, Tebuconazole) And Analysis of pesticide residues in water	SOP/RP/01 (AOAC 2001.01) SOP/RP/01 (US EPA Method 507)	0.05 – 1.0 mg/Kg	
03	Heavy metal Analysis	1. Heavy metal analysis in pesticides (for As, Pb, Hg, Cd, Se) 2. Heavy metal analysis in foods (for As, Pb, Hg, Cd, Se, Sn)	Pesticides -SOP/HM/01 (AOAC Method21 th edition 2019) Food -SOP/HM/02 (FDA Elemental Analysis Manual, 2015)	As= 0.05-5.00mg/Kg, Se= 0.125- 12.5mg/Kg, Cd= 0.0125- 1.25mg/Kg, Hg= 0.01- 1mg/Kg, Pb=0.05 - 5mg/Kg	