

CERTIFICATE OF ANALYSIS

PRODUCT NAME : Chlorpyrifos 50% + Cypermethrin 5% EC (1LTR)
BATCH NO. : 20231220
DATE OF MFG. : JAN-2024
DATE OF EXP. : JAN-2027
UNIQUE IDENTIFICATION CODE : SFS/PTL/COA-2401
NAME/ ADDRESS OF THE MANUFACTURER : MODERN INSECTICIDES LTD.
 30-A, SHASTRI NAGAR, ADJ. ARCHIES GALLERY, ISHMEET CHOWK,
 LUDHIANA-141002 (PB). INDIA

DETAILS OF THE TEST COMPONENT & RESULT OF THE ANALYSIS

Sr. No.	Property	Standard Specification	Result	
1.	Physical appearance/state	The material shall be in the form of Clear homogenous light yellow to brown colour Liquid and free from cream and sediment	comply	
2.	Chlorpyrifos Content, percent By mass	50.0±5% of the declared content	50.07%w/w	
3.	Cypermethrin Content, percent by mass	5.0±5% of the declared content	5.11%w/w	
4.	Odour	Faint like	Comply	
5.	pH	6-7.5	6.5	
6.	Flash point	Shall be above 45°C	>45.0°C	
7.	Emulsion stability and re-emulsification	After the heat stability test, the product, when diluted at 30°C with CIPAC Standard Waters, shall comply with the following:		
		Time after dilution Limits of stability		
		0 h	Initial emulsification complete	Comply
		0.5 h	Cream, Max.-1ml	Cream-0ml
		2.0 h	Cream, Max.-2ml	Cream-0.5ml
			Free oil-Nil	Free oil-Nil
		24 h	Re-emulsification complete	Comply
24.5 h	Free oil, Max.-0.5ml	Free oil-Nil		
8.	Stability at 0°C	After storage at 0±2°C for 7 days, the volume of Solid and/or liquid which separates shall not be More than 0.3ml.	0.1 ml	
9.	Stability at elevated temperature	The product active ingredient not lower than 95% determined average content before storage & comply with acidity & emulsion stability.	Comply	

Remarks: Test material complies with the above given specification.

Mjnb

SPRINGFIELD SCIENCE PVT. LTD.
 LAKHOWAL ROAD, KOHARA, LUDHIANA,
 PUNJAB, INDIA

Signature

Signature of Analyst

Signature of Lab Incharge

Note: This certificate of analysis (COA) refers to only the particular sample submitted for the testing. This certificate is not to be produced, except in full, without the permission of the Quality Manager. Results reported were valid at the time of testing. Laboratory Standards are traceable to National Standard.

