

CERTIFICATE OF ANALYSIS

PRODUCT NAME : Cypermethrin 50g/l + Profenofos 500 g/l EC (1LTR)
BATCH NO. : 20231226
DATE OF MFG. : Jan, 2024
DATE OF EXP. : Jan, 2027
UNIQUE IDENTIFICATION CODE : SFS/PTL/COA-2414
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.	Test	Specifications	Results	
1.	Description	The material was in the form of homogenous, yellow to brown colour liquid with garlic like odour	Comply	
2.	Cypermethrin Content, percent by mass	5.0 ± 5% of the declared content	5.12%w/w	
3.	Profenofos Content, percent by mass	50.0 ± 5% of the declared content	50.23% w/w	
4.	pH of 1% solution	5-6.5	6.0	
5.	Persistent foam	Max. 25 ml after 1 min	12 ml	
6.	Flash point	Shall be above 25°C	54°C	
	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.-1 ml	Cream-0 ml
		2.0 h	Cream, Max.-2 ml Free oil-Nil	Cream-0.5 ml Free oil-Nil
		24 h	Re-emulsification complete	Comply
	24.5 h	Free oil, Max.-0.5 ml	Free oil-Nil	
7.	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 0.3 ml.	Comply	
8.	Stability at elevated temperature	After storage at 54 ± 2°C for 14 days, the determined average active ingredient content must not be lower than 95%, relative to the determined average content found before storage, and the product shall continue to comply with the clause for: - pH and emulsion stability	Comply	

Remarks: Test material complies with the above given specification.



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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.

