

### CERTIFICATE OF ANALYSIS

**PRODUCT NAME** : Cypermethrin 10% EC (1LTR)  
**BATCH NO.** : 20231225  
**DATE OF MFG.** : Jan, 2024  
**DATE OF EXP.** : Jan, 2027  
**UNIQUE IDENTIFICATION CODE** : SFS/PTL/COA-2405  
**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.	<b>Description</b>	The material was in the form of homogenous, transparent light yellow colour liquid with mild solvent like smell.	<b>Comply</b>	
2.	Cypermethrin Content, percent by mass	10. ± 5% of the declared content	10.17%w/w	
3.	Cis Isomer content	40-60% of the declared Cypermethrin content	5.25%	
4.	Moisture content	Max. 0.2%	0.08%	
5.	Acidity as H <sub>2</sub> SO <sub>4</sub>	Max. 0.15%	0.10%	
6.	Flash point	Shall be above 25°C	52°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:		
		<b>Time after dilution</b>	<b>Limits of stability</b>	
		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.	0.1 ml	
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: - Acidity	Comply	

**Remarks:** Test material complies with the above given specification.

*Signature of Analyst*

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

*Signature of Lab Incharge*

#### 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.

