

**PESTICIDE FORMULATION & RESIDUE ANALYTICAL CENTRE,
PMD, NIPHM, HYDERABAD**

Sr. No. in Scope

NABL / NON NABL

Flow Chart for Analysis of Emulsion Stability of EC Formulation

Sl. No.	Step	Date of Analysis	Executed By
		Execution	
1.	Sample No.		
2.	Name of Sample		
3.	Procedure		
3.1	Preparation of Emulsion:		
3.1.1	Pour 75- 80 mL of standard hard water brought to a temperature of $30\pm 1^{\circ}\text{C}$ in the beaker.		
3.1.2	Pipette out and add 5 mL of sample if meant for public health or 2 mL of sample for agricultural use while stirring with glass rod at 4 rev/sec.	mL	
3.1.3	Make up to 100 mL with standard hard water with continuous stirring.		
3.1.4	Pour immediately into a clean dry 100 mL crow cylinder and mix well to homogenize.		
3.1.5	The stirring time should be 3 min from beginning of the addition of sample until the emulsion is poured into the 100 mL cylinder.		
3.1.6	Keep at $30\pm 1^{\circ}\text{C}$ for one hour and examine for any creaming or separation.		
3.1.7	The total volume in ml of the creamed matter at the top	mL	
3.1.8	The total volume in ml of the sediment at the bottom	mL	

Result:

Sr. No.	Name of test	Result	Unit	Method of Analysis
1.	Emulsion Stability			IS- 6940-1982 (Reaffirmed 1997)
Remark / Reference :				

Analyzed by	Name	
	Dated signature	
Checked by	Name	
	Dated signature	

Name of the Laboratory : Pesticide Formulation & Residue Analytical Centre, PMD, NIPHM, Hyderabad					
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Prepared By		Checked By		Approved & Issued By	
Mrs. T. Sridevi (Deputy Technical Manager)		Mr. C.V. Rao (Technical Manager)		Dr. Abhay Ekbote (Director PM& Quality Manager)	