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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Methyl Red pH Indicator  
**Batch No.** : 228885  
**Date of Mfg.** : Sep 2025  
**Date of Exp** : Aug 2030  
**Register No.** : 2025-26  
**Qty of Sample** : 100gm  
**Date of Analysis** : Sep 2025

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	Dark red to maroon to purple crystalline powder
2.	Transition range	Passes	pH 4.2 - 6.2 Red - Yellow
3.	Solubility 0.1% (EtOH)	Passes	Red solution
4.	Absorptivity 1%, 1cm (pH 6.2) at $\lambda$ max.432.2 nm (pH 4.2) at $\lambda$ max.524.4 nm	772 1351	700 – 800 1300-1400
5.	Loss on drying at 110°C (1 hr.)	2.27%	< 3%

Chief Chemist