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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Methyl Orange pH Indicator  
**Batch No.** : 225145  
**Date of Mfg** : Nov 2021  
**Date of Exp** : Oct 2026  
**Register No.** : 2021-22  
**Qty of Sample** : 100gm  
**Date of Analysis** : Nov 2021

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	Dark orange powder
2.	Transition range pH 3.1-4.4	Passes	Pink – Orange yellow
3.	Solubility 0.1% (Dist. water)	Passes	Orange solution
4.	Absorptivity 1%/1cm, (pH 3.1) at $\lambda$ max. 504.0 nm (pH 4.4) at $\lambda$ max. 468.2 nm	1115 823	>1050 > 750
5.	Loss on drying at 110°C (1 hr)	1.22%	< 3%
6.	Transition range acc. ACS	Passes test	Passes test

**Chief Chemist**