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CERTIFICATE OF ANALYSIS

Name of the Sample : Methyl Red pH Indicator
Batch No. : 227970
Date of Mfg. : Sep 2024
Date of Exp : Aug 2029
Register No. : 2024-25
Qty of Sample : 100 gm
Date of Analysis : Sep 2024

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 λ max.432.6 nm (pH 4.2) at λ max.524.2 nm	775 1353	700 – 800 1300-1400
5.	Loss on drying at 110°C (1 hr.)	2.35%	< 3%

Chief Chemist