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CERTIFICATE OF ANALYSIS

Name of the Sample : Ethidium Bromide AR
Batch No. : 227483
Date of Mfg. : April 2024
Date of Exp : March 2029
Register No. : 2024-25
Qty of Sample : 25gm
Date of Analysis : April 2024

S.No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Dark red crystalline powder.
2.	Assay (by HClO ₄ titration ; on dried basis)	99.8%	Min 98%
3.	Absorption maxima in methanol	525.6 nm	524 - 527 nm
4.	Absorptivity (A 1%/1cm; λ max; in 50% methanol ; on dried substances)	161.58	155 - 165
5.	Loss on drying (at 130°C; 4 hrs)	5.01%	Max 7%
6.	Solubility (10 mg/mL in water)	Passes	Clear red to dark red solution

Chief Chemist