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CERTIFICATE OF ANALYSIS

Name of the Sample : Bromothymol Blue pH Indicator
Batch No. : 228318
Date of Mfg. : Feb 2025
Date of Exp. : Jan 2029
Register No. : 2025-26
Qty of Sample : 100 gm
Date of Analysis : Feb 2025

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Buff to Light Pink Powder
2.	Transition Range pH: 5.8 pH: 7.6	Passes Passes	Yellow Blue
3.	Solubility 0.1% (EtOH)	Passes	Clear solution
4.	Absorptivity 1%, 1cm (pH 5.8) at λ max 431.2 nm (pH 7.6) at λ max 616.4 nm	291 506	260 – 300 470 – 520
5.	Loss on drying at 110°C (1hr)	1.76%	< 3%
6.	Transition range acc to ACS	Passes test	Passes test

Chief Chemist