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CERTIFICATE OF ANALYSIS

Name of the Sample : **Bromothymol Blue pH Indicator**
Batch No. : **226152**
Date of Mfg : **Dec 2022**
Date of Exp. : **Nov 2027**
Register No. : **2022-23**
Qty of Sample : **100 gm**
Date of Analysis : **Dec 2022**

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 616.6 nm	288 502	260 – 300 470 – 520
5.	Loss on drying at 110°C (1hr)	1.92%	< 3%
6.	Transition range acc to ACS	Passes test	Passes test

Chief Chemist