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Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

CERTIFICATE OF ANALYSIS

Name of the Sample : **Bromothymol Blue pH Indicator**
Batch No. : **226083**
Date of Mfg : **Nov 2022**
Date of Exp. : **Oct 2027**
Register No. : **2022-23**
Qty of Sample : **100 gm**
Date of Analysis : **Nov 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	296 513	260 – 300 470 – 520
5.	Loss on drying at 110°C (1hr)	2.05%	< 3%
6.	Transition range acc to ACS	Passes test	Passes test

Chief Chemist