

CERTIFICATE OF ANALYSIS

Product Name	: BROMOCRESOL GREEN INDICATOR dye content 95% AR/ACS	Analyzed On	: 29-Oct-2021
Lot No.	: B386692110.	Mol. Weight	: 698.04
Mol. Formula	: C ₂₁ H ₁₄ Br ₄ O ₅ S	CAS No.	: 76-60-8
Code No.	: 02270	Exp. Date	: Sep-2026
Mfg. Date	: Oct-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	Yellow to Tan Coloured Powder	Tan coloured powder
2	Dye content (by spectrophotometry)	Min 95%	103.72%
3	Identity (IR)	Passes test	Passes test
4	pH 3.8-5.4	Yellow to blue	Passes test
5	Appearance of solution	Conforms	Conforms
6	Absorption maxima (0.003% Methanol)	418 – 428 nm	424.00 nm
7	Molar Absorptivity at lambda max	Min 17000	18560.22
8	Loss on drying (at 110°C)	Max 3%	2.24%
9	Transition range (according to ACS)	Passes test	Passes test
10	Sensitivity	Passes test	Passes test

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**



Ruchita D.
Chemist



Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

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