



CERTIFICATE OF ANALYSIS

Product Name : METHYLENE BLUE 82% For Microscopy
Lot No. : L371572106 Analyzed On : 04-Jun-2021
Mol. Formula : C₁₆H₁₈CIN₃SxH₂O Mol. Weight : 319.859 (anhydrous basis)
Code No. : 04645 CAS No. : 61-73-4
Mfg. Date : Jun-2021 Exp. Date : May-2026
HAZ. / P.G. : - UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	Dark blue, crystalline powder with a copper-coloured sheen, or green crystals with a bronze-coloured sheen	Dark green crystalline powder with copper-coloured sheen
2	Dye content	Min 82%	101.04%
3	Absorption maxima in 50% ethanol	660 - 665 nm	661.00nm
4	Specific absorptivity A _{1%} /1 cm (λmax; 0.003 g/L; ethanol)	2250-2750	2750
5	Loss on drying (at 105°C)	8.0 - 22.0%	8.01%

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

Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

Works : Plot No. D-22, MIDC, Tarapur Industrial Area, Tarapur, Boisar, Taluka- Palghar, Dist. Palghar, Pin-401506

Tel: 91.02525-663630/39/34

Regd Office : 107 Wode House Road, Jehanghir Villa, Colaba, Mumbai-400005

Tel: 91.22.6663 6663, Fax: 91.22.22151099

info@lobachemie.com | www.lobachemie.com

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04/10.03.2021