



CERTIFICATE OF ANALYSIS

Product Name : METHYLENE BLUE 82% For Microscopy
Lot No. : L353432106 Analyzed On : 09-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 |
| 2 | Dye content | Min 82% | |
| 3 | Absorption maxima in 50% ethanol | 660 - 665 nm | 660.90 nm |
| 4 | Specific absorptivity A _{1%} /1 cm (λmax; 0.003 g/L; ethanol) | 2250-2750 | 2634.73 |
| 5 | Loss on drying (at 105°C) | 8.0 - 22.0% | 8.40% |

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

Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

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