

Certificate of Analysis

Date of Testing: 2023-04-28 10:54:38
Date of Next Testing: 2026-04-27 10:54:38
Product Name: **Methylene blue**
CAS Number: 7220-79-3
Specifications & Purity: Pure, for Biological Stain, $\geq 90.0\%$ (HPLC)
Lot #: D23211055
SKU #: **M102717**
Analysis: **182628**

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(HPLC)(dry basis) | 90-100 (%) | 95.49% |
| Water by Karl Fischer | 0-20 (%) | 16.87% |
| Appearance (M102717) | Dark green powder, with granular and bright parts | Dark green powder, with granular and bright parts |
| Solubility in H ₂ O , Dark red to blue solution, 1mg/ml | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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QA & QC Manager