

## Certificate of Analysis

Date of Testing: 2023-04-28 10:50:39  
Date of Next Testing: 2026-04-27 10:50:39  
Product Name: **Methylene blue**  
CAS Number: 7220-79-3  
Specifications & Purity: Pure, for Biological Stain,  $\geq 90.0\%$  (HPLC)  
Lot #: D23211056  
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 <sub>2</sub> O , Dark red to blue solution, 1mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager