

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2022-10-09 16:14:03  
Date of Next Testing: 2026-10-08 16:14:03  
Product Name: **Methylene blue**  
CAS Number: 7220-79-3  
Specifications & Purity: Indicator  
Lot #: I2224421  
SKU #: **M102719**  
Analysis: **142063**

| Parameter                          | Limit Values | Result     |
|------------------------------------|--------------|------------|
| Water by Karl Fischer              | 0-20 (%)     | 0.72110 %  |
| (As)Arsenic                        | 0-0.0005 (%) | 0.00040 %  |
| Zinc(Zn)                           | 0-0.02 (%)   | 0.01230 %  |
| Assay                              | 82-100 (%)   | 94.19600 % |
| Copper(Cu)                         | 0-0.015 (%)  | 0.01300 %  |
| Ignition Residue (as sulfate)      | 0-0.5 (%)    | 0.39900 %  |
| Allochromic test                   | pass         | Pass       |
| Solubility in EtOH , clear,50mg/ml | pass         | Pass       |



John Su  
QA & QC Manager