

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-23 09:56:16

Date of Next Testing: 2028-10-22 09:56:16

Product Name: **Methylene blue (C.I. 52015)**

CAS Number: 7220-79-3

Specifications & Purity: Ph.Eur.

Lot #: J2520188

SKU #: **M433395**

Version: **1**

Analysis #: **484863**

Storage Temperature: Room temperature

| Parameter                                                                 | Limit Values                                                   | Result                                                         |
|---------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Absorption maximum $\lambda_{max}$ .<br>(ethanol 50%)                     | 660-665 (nm)                                                   | 661.00000 nm                                                   |
| Spec. Absorptivity A 1%/1cm ( $\lambda_{max}$ ;<br>0.003g/l; ethanol 50%) | 2250-2750                                                      | 2540.62500                                                     |
| Loss on Drying(110°C)                                                     | 10-15 (%)                                                      | 10.27544 %                                                     |
| Appearance(M433395)                                                       | Dark green powder,eventually with<br>granular and bright parts | Dark green powder,eventually with<br>granular and bright parts |
| Infrared spectrum                                                         | Conforms to Structure                                          | Conforms to Structure                                          |



John Su  
QA & QC Manager