

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-16 14:46:07  
Date of Next Testing: 2026-11-15 14:46:07  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: for HPLC,  $\geq 99.8\%$   
Lot #: K2214028  
SKU #: **D103273**  
**Analysis: 156319**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values                              | Result                                    |
|-------------------------------------|---|---|
| Purity(GC)                          | 99.8-100 (%)                              | 99.91 %                                   |
| UV Absorbance 270nm                 | 0-0.7                                     | 0.56                                      |
| Refractive index n <sub>20</sub> /D | 1.477-1.48                                | 1.48                                      |
| Density (20°C)                      | 1.099-1.103                               | 1.10                                      |
| UV Absorbance 300nm                 | 0-0.1                                     | 0.09                                      |
| Evaporation Residue                 | 0-0.002 (%)                               | 0.00 %                                    |
| UV Absorbance 280nm                 | 0-0.3                                     | 0.17                                      |
| Water by Karl Fischer               | 0-0.2 (%)                                 | 0.02 %                                    |
| UV Absorbance 350nm                 | 0-0.01                                    | 0.00                                      |
| Appearance (D103273)                | Colorless liquid or white lump or crystal | Colorless liquid or white lump or crystal |
| Infrared spectrum                   | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager