

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-26 14:51:22  
Date of Next Testing: 2027-10-25 14:51:22  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: for HPLC,  $\geq 99.8\%$   
Lot #: J2323347  
SKU #: **D103273**  
**Analysis:** **285300**  
Storage Temperature: Argon charged

| Parameter   | Limit Values                              | Result                                    |
|---|---|---|
| UV Absorbance 270nm                                       | 0-0.7                                     | 0.35                                      |
| 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                                     | 0.07                                      |
| Evaporation Residue                                       | 0-0.002 (%)                               | 0.00 %                                    |
| UV Absorbance 280nm                                       | 0-0.3                                     | 0.15                                      |
| Water by Karl Fischer                                     | 0-0.2 (%)                                 | 0.07 %                                    |
| UV Absorbance 350nm                                       | 0-0.01                                    | 0.00                                      |
| Purity(GC)  | 99.8-100 (%)                              | 99.80 %                                   |
| Appearance (D103273)                                      | Colorless liquid or white lump or crystal | Colorless liquid or white lump or crystal |
| Solubility in H <sub>2</sub> O , 1%:100ml,clear colorless | Pass                                      | Pass                                      |
| Infrared spectrum   | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager