

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

## Certificate of Analysis

Date of Testing: 2024-06-03 17:50:25  
Date of Next Testing: 2028-06-02 17:50:25  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: pharmaceutical  
Lot #: E2429285  
SKU #: **D103280**  
Version: **2**  
Analysis #: **350386**  
Storage Temperature: Argon charged, Desiccated

| Parameter                                  | Limit Values     | Result          |
|--------------------------------------------|------------------|-----------------|
| Refractive index n <sub>20</sub> /D        | 1.477-1.48       | 1.47940         |
| UV Absorbance 275nm                        | 0-0.3            | 0.19900         |
| Water by Karl Fischer                      | 0-0.2 (%)        | 0.06010 %       |
| Crystallization point                      | 17-18.3 (°C)     | 18.10000 °C     |
| Evaporation Residue                        | 0-0.01 (%)       | 0.00000 %       |
| UV Absorbance 295nm/275nm                  | 0-0.45           | 0.41206         |
| Density (20°C)                             | 1.095-1.105      | 1.09980         |
| UV Absorbance 285nm/275nm                  | 0-0.65           | 0.59296         |
| Acid Value                                 | 0-0.02 (mgKOH/g) | 0.00000 mgKOH/g |
| Assay                                      | 99.9-100 (%)     | 99.90900 %      |
| Identification                             | pass             | Pass            |
| Substances darkened by potassium hydroxide | Pass             | Pass            |



John Su  
QA & QC Manager