

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

## Certificate of Analysis

Date of Testing: 2023-04-13 15:50:57  
Date of Next Testing: 2027-04-12 15:50:57  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: pharmaceutical  
Lot #: D23111090  
SKU #: **D103280**  
Analysis: **194788**

| Parameter                                  | Limit Values     | Result          |
|--------------------------------------------|------------------|-----------------|
| Refractive index n <sub>20</sub> /D        | 1.477-1.48       | 1.47900         |
| UV Absorbance 275nm                        | 0-0.3            | 0.22500         |
| Crystallization point                      | 17-18.3 (°C)     | 18.10000 °C     |
| Evaporation Residue                        | 0-0.01 (%)       | 0.00000 %       |
| UV Absorbance 295nm/275nm                  | 0-0.45           | 0.43110         |
| UV Absorbance 285nm/275nm                  | 0-0.65           | 0.61330         |
| Water by Karl Fischer                      | 0-0.2 (%)        | 0.19000 %       |
| Density (20°C)                             | 1.095-1.105      | 1.09500         |
| Acid Value                                 | 0-0.02 (mgKOH/g) | 0.00000 mgKOH/g |
| Assay                                      | 99.9-100 (%)     | 99.90100 %      |
| Identification                             | pass             | Pass            |
| Substances darkened by potassium hydroxide | Pass             | Pass            |



John Su  
QA & QC Manager