

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

## Certificate of Analysis

Date of Testing: 2025-05-29 11:31:25  
Date of Next Testing: 2027-05-19 11:31:25  
Product Name: **Dimethyl sulfoxide (DMSO)**  
CAS Number: 67-68-5  
Specifications & Purity: for molecular biology, ≥99.9%  
Lot #: E2521204  
SKU #: **D103277**  
Version: **2**  
Analysis #: **509084**  
Storage Temperature: Argon charged, Desiccated

| Parameter                                                  | Limit Values          | Result                |
|------------------------------------------------------------|-----------------------|-----------------------|
| Color Test                                                 | 0-20                  | 1.52000               |
| Purity(GC)                                                 | 99.9-100 (%)          | 99.95200 %            |
| Water by Karl Fischer                                      | 0-0.1 (%)             | 0.06290 %             |
| Evaporation Residue                                        | 0-0.001 (mg/L)        | 0.00003 mg/L          |
| Refractive index n <sub>20</sub> /D                        | 1.4775-1.4790         | 1.47900               |
| Appearance (D103277)                                       | Colorless Liquid      | Colorless liquid      |
| DNase, RNase and Protease                                  | None Detected         | none detected         |
| Solubility in H <sub>2</sub> O , 1%:100ml, clear colorless | Pass                  | Pass                  |
| Proton NMR spectrum                                        | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager