

## Certificate of Analysis

Date of Testing: 2023-11-16 14:15:15  
 Date of Next Testing: 2025-11-05 14:15:15  
 Product Name: **Dimethyl sulfoxide**  
 CAS Number: 67-68-5  
 Specifications & Purity: ACS, ≥99.9%  
 Lot #: K2309529  
 SKU #: **D103281**  
**Analysis:** **289838**  
 Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Evaporation Residue	0-0.01 (%)	0.00 %
Titration Acid	0-0.001 (eq/kg)	0.00 eq/kg
Water by Karl Fischer	0-0.1 (%)	0.02 %
Density (20°C)	1.095-1.105	1.10
Refractive index n <sub>20</sub> /D	1.478-1.479	1.48
Purity(GC)	99.9-100 (%)	99.90 %
Melting point	17.0-18.3 (°C)	18.00000 °C
Appearance (D103281)	Colorless liquid	Colorless liquid
Solubility in water(10mg/ml, Colorless clear liquid)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager