

## Certificate of Analysis

Date of Testing: 2024-10-19 15:50:10  
Date of Next Testing: 2028-10-18 15:50:10  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity:  $\geq 99.8\%$ (GC)  
Lot #: J2415459  
SKU #: **D103274**  
Version: **1**  
Analysis #: **424169**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.80%
Refractive index n <sub>20</sub> /D	1.477-1.48	1.48
Density (20°C)	1.099-1.103	1.10
Water by Karl Fischer	0-0.2 (%)	0.05%
Acidity(as KOH)	0-0.04 (mg/g)	0.00%
Evaporation Residue	0-0.003 (%)	0.00%
Appearance (D103274)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
water miscibility test(1:1), clear and bright	Pass	Pass



John Su  
QA & QC Manager