

## Certificate of Analysis

Date of Testing: 2023-05-04 16:50:59  
Date of Next Testing: 2027-05-03 16:50:59  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: >99.8%(GC)  
Lot #: D2317024  
SKU #: **D103274**  
**Analysis:** **218520**  
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)	1.101-1.105	1.10
Water by Karl Fischer	0-0.1 (%)	0.03%
Acidity(as KOH)	0-0.04 (mg/g)	0.03%
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