

## Certificate of Analysis

Date of Testing: 2022-06-24 09:46:55  
Date of Next Testing: 2024-06-13 09:46:55  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: ACS reagent, ≥99.9%  
Lot #: F2217325  
SKU #: **D103281**  
**Analysis:** **105685**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.94 %
Evaporation Residue	0-0.01 (%)	0.01 %
Titration Acid	0-0.001 (eq/kg)	0.00 eq/kg
Water by Karl Fischer	0-0.1 (%)	0.02 %
Refractive index n <sub>20</sub> /D	1.478-1.479	1.48
Melting point	17.0-18.3 (°C)	18.21300 °C
Density (20°C)	1.095-1.105	1.10
Appearance (D103281)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager