

## Certificate of Analysis

Date of Testing: 2022-10-11 11:56:07  
Date of Next Testing: 2026-10-10 11:56:07  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: for HPLC,  $\geq 99.8\%$   
Lot #: I2229064  
SKU #: **D103273**  
**Analysis: 138748**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.85 %
UV Absorbance 270nm	0-0.7	0.39
Refractive index n <sub>20</sub> /D	1.477-1.48	1.48
UV Absorbance 300nm	0-0.1	0.09
Evaporation Residue	0-0.002 (%)	0.00 %
UV Absorbance 280nm	0-0.3	0.20
Water by Karl Fischer	0-0.2 (%)	0.13 %
UV Absorbance 350nm	0-0.01	0.00
Density (20°C)	1.099-1.103	1.10
Appearance (D103273)	Colorless liquid or white lump or crystal	Colorless liquid or white lump or crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager