

## Certificate of Analysis

Date of Testing: 2024-07-16 17:45:28  
Date of Next Testing: 2028-07-15 17:45:28  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: for HPLC,  $\geq 99.8\%$   
Lot #: G2415094  
SKU #: **D103273**  
Version: **2**  
Analysis #: **381758**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.90%
UV Absorbance 270nm	0-0.7	0.32
Refractive index n <sub>20</sub> /D	1.477-1.48	1.48
Density (20°C)	1.099-1.103	1.10
UV Absorbance 300nm	0-0.1	0.06
Evaporation Residue	0-0.002 (%)	0.00%
UV Absorbance 280nm	0-0.3	0.14
Water by Karl Fischer	0-0.2 (%)	0.01%
UV Absorbance 350nm	0-0.01	0.00
Appearance (D103273)	Colorless liquid or white lump or crystal	Colorless liquid or white lump or crystal
Solubility in H <sub>2</sub> O , 1%:100ml,clear colorless	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager