

Certificate of Analysis

Date of Testing: 2023-09-06 10:53:55
Date of Next Testing: 2027-09-05 10:53:55
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for HPLC, $\geq 99.8\%$
Lot #: H2330278
SKU #: **D103273**
Analysis: **272022**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.89%
UV Absorbance 270nm	0-0.7	0.32
Refractive index n ₂₀ /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	0.13
Water by Karl Fischer	0-0.2 (%)	0.02%
UV Absorbance 350nm	0-0.01	0.00
Appearance (D103273)	Colorless liquid or white lump or crystal	Colorless liquid or white lump or crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , 1%:100ml,clear colorless	Pass	Pass



John Su
QA & QC Manager