

Certificate of Analysis

Date of Testing:	2024-06-19 15:22:40
Date of Next Testing:	2028-06-18 15:22:40
Product Name:	Dimethyl sulfoxide
CAS Number:	67-68-5
Specifications & Purity:	for HPLC, $\geq 99.8\%$
Lot #:	F2415282
SKU #	D103273
Version	2
Analysis #:	363276
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.87%
UV Absorbance 270nm	0-0.7	0.34
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	0.08
Evaporation Residue	0-0.002 (%)	0.00%
UV Absorbance 280nm	0-0.3	0.16
Water by Karl Fischer	0-0.2 (%)	0.08%
UV Absorbance 350nm	0-0.01	0.01
Appearance (D103273)	Colorless liquid or white lump or crystal	Colorless liquid or white lump or crystal
Solubility in H ₂ 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