

Certificate of Analysis

Date of Testing: 2024-01-25 15:25:27
Date of Next Testing: 2028-01-24 15:25:27
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for HPLC, $\geq 99.8\%$
Lot #: A2411358
SKU #: **D103273**
Analysis: **297817**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.90%
UV Absorbance 270nm	0-0.7	0.33
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	0.07
Evaporation Residue	0-0.002 (%)	0.00%
UV Absorbance 280nm	0-0.3	0.14
Water by Karl Fischer	0-0.2 (%)	0.17%
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 ₂ O , 1%:100ml,clear colorless	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager