

Certificate of Analysis

Date of Testing: 2022-10-31 16:13:37
Date of Next Testing: 2026-10-30 16:13:37
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for HPLC, $\geq 99.8\%$
Lot #: J2227234
SKU #: **D103273**
Analysis: 143062
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.87 %
Refractive index n ₂₀ /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	0.19
Water by Karl Fischer	0-0.2 (%)	0.01 %
UV Absorbance 350nm	0-0.01	0.01
UV Absorbance 270nm	0-0.7	0.41
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