

Certificate of Analysis

Date of Testing: 2023-11-16 12:10:03
Date of Next Testing: 2025-11-05 12:10:03
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: ACS, ≥99.9%
Lot #: K2309517
SKU #: **D103281**
Analysis: 289838
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Evaporation Residue	0-0.01 (%)	0.00 %
Titration Acid	0-0.001 (eq/kg)	0.00 eq/kg
Water by Karl Fischer	0-0.1 (%)	0.02 %
Density (20°C)	1.095-1.105	1.10
Refractive index n ₂₀ /D	1.478-1.479	1.48
Purity(GC)	99.9-100 (%)	99.90 %
Melting point	17.0-18.3 (°C)	18.00000 °C
Appearance (D103281)	Colorless liquid	Colorless liquid
Solubility in water(10mg/ml, Colorless clear liquid)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager