

Certificate of Analysis

Date of Testing: 2023-06-13 17:47:58
 Date of Next Testing: 2025-06-02 17:47:58
 Product Name: **Dimethyl sulfoxide**
 CAS Number: 67-68-5
 Specifications & Purity: ACS, ≥99.9%
 Lot #: F2308949
 SKU #: **D103281**
Analysis: **230859**
 Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.93 %
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 (%)	0.04 %
Density (20°C)	1.095-1.105	1.09
Refractive index n ₂₀ /D	1.478-1.479	1.48
Melting point	17.0-18.3 (°C)	18.29000 °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