

Certificate of Analysis

Date of Testing: 2025-04-25 11:35:53

Date of Next Testing: 2027-04-15 11:35:53

Product Name: **Dimethyl sulfoxide(DMSO)**

CAS Number: 67-68-5

Specifications & Purity: ACS, $\geq 99.9\%$

Lot #: D2521338

SKU #: **D103281**

Version: **2**

Analysis #: **497631**

Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.92 %
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 %
Melting point	17.0-18.3 (°C)	18.20000 °C
Density (20°C)	1.095-1.105	1.10
Refractive index n ₂₀ /D	1.478-1.479	1.48
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