

Certificate of Analysis

Date of Testing: 2025-04-23 10:53:01
Date of Next Testing: 2027-04-13 10:53:01
Product Name: **Dimethyl sulfoxide (DMSO)**
CAS Number: 67-68-5
Specifications & Purity: for molecular biology, $\geq 99.9\%$
Lot #: D2514310
SKU #: **D103277**
Version: **2**
Analysis #: **489495**
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Color Test	0-20	2.10
Water by Karl Fischer	0-0.1 (%)	0.02 %
Evaporation Residue	0-0.001 (mg/L)	0.00 mg/L
Refractive index n ₂₀ /D	1.4775-1.4790	1.48
Purity(GC)	99.9-100 (%)	99.90 %
Appearance (D103277)	Colorless Liquid	Colorless liquid
DNase, RNase and Protease	None Detected	none detected
Solubility in H ₂ O , 1%:100ml, clear colorless	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager