

## Certificate of Analysis

Date of Testing: 2024-04-28 17:57:34  
Date of Next Testing: 2026-04-18 17:57:34  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: for molecular biology,  $\geq 99.9\%$   
Lot #: D2424192  
SKU #: **D103277**  
Version: **2**  
Analysis #: **344348**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Color Test	0-20	10.00
Water by Karl Fischer	0-0.1 (%)	0.04 %
Evaporation Residue	0-0.001 (mg/L)	0.00 mg/L
Refractive index n <sub>20</sub> /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 <sub>2</sub> O , 1%:100ml, clear colorless	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager