

Certificate of Analysis

Date of Testing: 2024-10-09 15:54:21
Date of Next Testing: 2028-10-08 15:54:21
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: $\geq 99.8\%$ (GC)
Lot #: 12424169
SKU #: **D103274**
Version: **1**
Analysis #: **413777**
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.8-100 (%)	99.91%
Refractive index n ₂₀ /D	1.477-1.48	1.48
Density (20°C)	1.099-1.103	1.10
Water by Karl Fischer	0-0.2 (%)	0.01%
Acidity(as KOH)	0-0.04 (mg/g)	0.00%
Evaporation Residue	0-0.003 (%)	0.00%
Appearance (D103274)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
water miscibility test(1:1), clear and bright	Pass	Pass



John Su
QA & QC Manager