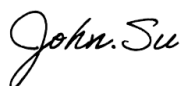


Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-07-01 14:12:05
Date of Next Testing: 2025-06-30 14:12:05
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: Analytical Reagent, >99%(GC)
Lot #: F2222171
SKU #: **D103272**
Analysis: **108158**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.01090 %
Density (20°C)	1.098-1.106 (g/ml)	1.10450 g/ml
Purity(GC)	99-100 (%)	99.38700 %
Crystallization point	18-20 (°C)	19.60000 °C
Refractive index n ₂₀ /D	1.478-1.48	1.47810



John Su
QA & QC Manager