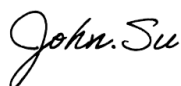


Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-06-23 16:03:15
Date of Next Testing: 2025-06-22 16:03:15
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: Analytical Reagent, >99%(GC)
Lot #: F2217335
SKU #: **D103272**
Analysis: **105669**

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.01090 %
Density (20°C)	1.098-1.106 (g/ml)	1.10550 g/ml
Purity(GC)	99-100 (%)	99.35000 %
Crystallization point	18-20 (°C)	19.67000 °C
Refractive index n _{20/D}	1.478-1.48	1.47820



John Su
QA & QC Manager