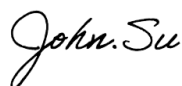


Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-07-01 15:38:34
Date of Next Testing: 2024-06-20 15:38:34
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for molecular biology, ≥99.9%
Lot #: F2221100
SKU #: **D103277**
Analysis: **097704**

Parameter	Limit Values	Result
Color Test	0-20	9.00000
Purity(GC)	99.9-100 (%)	99.95500 %
Water by Karl Fischer	0-0.1 (%)	0.05000 %
Evaporation Residue	0-0.001 (mg/L)	0.00050 mg/L
Appearance (D103277)	Colorless Liquid	Colorless liquid
DNase, RNase and Protease	None Detected	none detected



John Su
QA & QC Manager