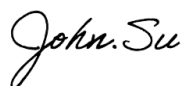


Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-11-17 15:15:56
Date of Next Testing: 2024-11-06 15:15:56
Product Name: **Dimethyl sulfoxide**
CAS Number: 67-68-5
Specifications & Purity: for molecular biology, ≥99.9%
Lot #: K2212138
SKU #: **D103277**
Analysis: **151500**

Parameter	Limit Values	Result
Color Test	0-20	10.00000
Purity(GC)	99.9-100 (%)	99.90000 %
Water by Karl Fischer	0-0.1 (%)	0.05070 %
Evaporation Residue	0-0.001 (mg/L)	0.00010 mg/L
Appearance (D103277)	Colorless Liquid	Colorless liquid
DNase, RNase and Protease	None Detected	none detected



John Su
QA & QC Manager