

Certificate of Analysis

Date of Testing: 2023-06-30 16:33:34

Date of Next Testing: 2027-06-29 16:33:34

Product Name: **Dimethyl sulfoxide (DMSO)**

CAS Number: 67-68-5

Specifications & Purity: Super pure, ≤ 0.02% water

Lot #: F2325159

SKU #: **D591066**

Analysis: **246452**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	99.90 %
Titrateable Acid(Free Acid As H2SO4)	0-0.001 (%)	0.00100 %
Water by Karl Fischer	0-0.02 (%)	0.01 %
Evaporation Residue	0-0.002 (%)	0.00 %
Heavy metals(as Pb)	0-0.0001 (%)	0.00 %
total bacterial value	0-100 (cfu/ml)	0.00000 cfu/ml
endotoxin limit (LAL)	0-10 (EU/ml)	5.00000 EU/ml
Iron(Fe)	0-0.0001 (%)	0.00 %
Refractive index n20/D	1.477-1.48	1.48
Appearance(D591066)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager