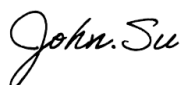


## Certificate of Analysis

Date of Testing: 2023-12-18 17:08:46  
Date of Next Testing: 2027-12-17 17:08:46  
Product Name: **Dimethyl sulfoxide**  
CAS Number: 67-68-5  
Specifications & Purity: pharmaceutical  
Lot #: L2314015  
SKU #: **D103280**  
**Analysis: 025131**  
Storage Temperature: Argon charged,Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.477-1.48	1.48
UV Absorbance 275nm	0-0.3	0.24
Water by Karl Fischer	0-0.2 (%)	0.02 %
Evaporation Residue	0-0.01 (%)	0.00 %
Density (20°C)	1.095-1.105	1.10
Acid Value	0-0.02 (mgKOH/g)	0.00 mgKOH/g
Assay	99.9-100 (%)	99.93 %
Crystallization point	17-18.3 (°C)	18.26 °C
UV Absorbance 295nm/275nm	0-0.45	0.45
UV Absorbance 285nm/275nm	0-0.65	0.65
Identification	pass	Pass
Substances darkened by potassium hydroxide	Pass	Pass



John Su  
QA & QC Manager