

Certificate of Analysis

Date of Testing: 2023-04-09 20:10:17
Date of Next Testing: 2027-04-08 20:10:17
Product Name: **MES**
CAS Number: 4432-31-9
Specifications & Purity: $\geq 99.5\%$ (T)
Lot #: D23031099
SKU #: **M163013**
Analysis: **149509**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(25 °C,1% in Water)	3-4.2	3.70
Water by Karl Fischer	0-9 (%)	0.73 %
Purity (Titration by NaOH)	99.5-100.5 (%)	99.51 %
Appearance (M163013Color)	White	White
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless and clear (0.1M)	pass	Pass
Appearance (M163013Form)	Crystalline Powder or chunks	Crystalline Powder or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager