

Certificate of Analysis

Date of Testing: 2025-01-21 15:33:57

Date of Next Testing: 2029-01-20 15:33:57

Product Name: **MES**

CAS Number: 4432-31-9

Specifications & Purity: $\geq 99.5\%$ (T)

Lot #: A2513422

SKU #: **M163013**

Version: **0**

Analysis #: **453368**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(25 °C,1% in Water)	3-4.2	3.72
Purity (Titration by NaOH)	99.5-100.5 (%)	100.07 %
Water by Karl Fischer	0-9 (%)	0.11 %
Appearance (M163013Form)	Crystalline Powder or chunks	Crystalline Powder or chunks
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager