

Certificate of Analysis

Date of Testing: 2025-03-10 09:27:09

Date of Next Testing: 2029-03-09 09:27:09

Product Name: **MES**

CAS Number: 4432-31-9

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

Lot #: C2506200

SKU # **M163013**

Version **0**

Analysis #: **404048**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(25 °C,1% in Water)	3-4.2	3.74
Purity (Titration by NaOH)	99.5-100.5 (%)	99.90 %
Water by Karl Fischer	0-9 (%)	0.23 %
Appearance (M163013Form)	Crystalline Powder or chunks	Crystalline Powder or chunks
Appearance (M163013Color)	White	White
Solubility in H ₂ O , colorless and clear (0.1M)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager