

Certificate of Analysis

Date of Testing: 2024-10-21 10:58:37

Date of Next Testing: 2028-10-20 10:58:37

Product Name: **MES**

CAS Number: 4432-31-9

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

Lot #: J2415758

SKU #: **M163013**

Version: **0**

Analysis #: **416339**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(25 °C,1% in Water)	3-4.2	3.71
Purity (Titration by NaOH)	99.5-100.5 (%)	100.28 %
Water by Karl Fischer	0-9 (%)	0.27 %
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