

## Certificate of Analysis

Date of Testing: 2022-01-22 14:37:04  
Date of Next Testing: 2026-01-21 14:37:04  
Product Name: **MES**  
CAS Number: 4432-31-9  
Specifications & Purity: 99%  
Lot #: A2219010  
SKU #: **M163014**  
**Analysis:** **069341**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.76 %
PH(25 °C,1% in Water)	3-4.2	3.89
Water by Karl Fischer	0-9 (%)	0.02 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , colorless and clear (0.1M)	pass	Pass



John Su  
QA & QC Manager