

## Certificate of Analysis

Date of Testing: 2024-04-09 16:20:40  
Date of Next Testing: 2028-04-08 16:20:40  
Product Name: **MES**  
CAS Number: 4432-31-9  
Specifications & Purity: 99%  
Lot #: C2421676  
SKU #: **M163014**  
**Analysis:** **325178**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.12 %
PH(25 °C,1% in Water)	3-4.2	3.50
Water by Karl Fischer	0-9 (%)	5.60 %
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