

## Certificate of Analysis

Date of Testing: 2024-05-24 15:29:10  
Date of Next Testing: 2028-05-23 15:29:10  
Product Name: **MOPS**  
CAS Number: 1132-61-2  
Specifications & Purity:  $\geq 99.5\%$  (T)  
Lot #: E2416296  
SKU #: **M105135**  
Version: **0**  
Analysis #: **355878**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.11 %
UV Absorbance 290nm(33%,H2O)	0-0.05	0.04
Purity (Titration by NaOH)	99.5-100.5 (%)	100.08 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Appearance (M105135)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless and clear(500mg/ml)	pass	Pass



John Su  
QA & QC Manager