

## Certificate of Analysis

Date of Testing: 2023-01-17 11:40:25  
Date of Next Testing: 2027-01-16 11:40:25  
Product Name: **MOPS**  
CAS Number: 1132-61-2  
Specifications & Purity:  $\geq 99.0\%$  (T)  
Lot #: A2305410  
SKU #: **M105133**  
**Analysis:** **179684**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	2.00 ppm
Purity (Titration by NaOH)	98.5-101.5 (%)	100.49 %
UV Absorbance 290nm(33%,H <sub>2</sub> O)	0-0.05	0.01
Water by Karl Fischer	0-1 (%)	0.21 %
Appearance (M105133)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless and clear(500mg/ml)	pass	Pass



John Su  
QA & QC Manager