

## Certificate of Analysis

Date of Testing: 2023-01-16 15:12:09  
Date of Next Testing: 2027-01-15 15:12:09  
Product Name: **MES hemisodium salt**  
CAS Number: 117961-21-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: A2305506  
SKU #: **M113010**  
**Analysis:** **166043**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-8 (%)	4.20 %
Heavy metal (as Pb)	0-5 (ppm)	2.21 ppm
UV Absorbance 290nm(33%,H <sub>2</sub> O)	0-0.1	0.05
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> ) (anhydrous)	98-100 (%)	99.83 %
Appearance (M113010)	white crystalline powder	white crystalline powder
Solubility in H <sub>2</sub> O , Colorless and clear(500mg/ml)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager