

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-22 11:04:13  
Date of Next Testing: 2026-02-21 11:04:13  
Product Name: **MES hemisodium salt**  
CAS Number: 117961-21-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2216136  
SKU #: **M113010**  
**Analysis:** **076641**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-8 (%)	3.10 %
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> ) (anhydrous)	98-100 (%)	98.14 %
Heavy metal (as Pb)	0-5 (ppm)	2.90 ppm
UV Absorbance 290nm(33%,H <sub>2</sub> O)	0-0.1	0.03
Appearance (M113010)	white crystalline powder	white crystalline powder
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