

## Certificate of Analysis

Date of Testing: 2023-10-18 15:05:35  
Date of Next Testing: 2027-10-17 15:05:35  
Product Name: **MES sodium salt**  
CAS Number: 71119-23-8  
Specifications & Purity: 99%  
Lot #: J2317027  
SKU #: **M105136**  
**Analysis: 014742**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	32.3-33.6 (%)	32.74 %
Heavy metal (as Pb)	0-5 (ppm)	3.00 ppm
Nitrogen by Elemental Analysis	5.9-6.9 (%)	6.09 %
Water by Karl Fischer	0-8 (%)	4.00 %
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> ) (anhydrous)	99-100 (%)	99.30 %
Appearance (M105136)	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