

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-11 12:49:40
Date of Next Testing: 2026-11-10 12:49:40
Product Name: **MES**
CAS Number: 4432-31-9
Specifications & Purity: $\geq 99.5\%$ (T)
Lot #: K2209724
SKU #: **M163013**
Analysis: **149509**
Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| PH(25 °C,1% in Water) | 3-4.2 | 3.70 |
| Water by Karl Fischer | 0-9 (%) | 0.73 % |
| Purity (Titration by NaOH) | 99.5-100.5 (%) | 99.51 % |
| Appearance (M163013Color) | White | White |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , colorless and clear (0.1M) | pass | Pass |
| Appearance (M163013Form) | Crystalline Powder or chunks | Crystalline Powder or chunks |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager