

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-30 11:04:26

Date of Next Testing: 2029-06-29 11:04:26

Product Name: **MES monohydrate**

CAS Number: 145224-94-8

Specifications & Purity: $\geq 99\%$ (T)

Lot #: F2527491

SKU #: **M105074**

Version: **1**

Analysis #: **531073**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
UV Absorbance 260nm	0-0.05	0.01
PH(25 °C, 0.5 M in Water)	2.5-4	3.35
Ignition Residue (900 °C) (as SO ₄ ²⁻)	0-0.05 (%)	0.00 %
UV Absorbance 280nm	0-0.02	0.01
Water by Karl Fischer(theory, monohydrate)	8-9 (%)	8.92 %
Purity (Titration by NaOH)	98.5-101.5 (%)	100.96 %
Appearance (M105074)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O , clear, colorless,1.066g in 10 ml H ₂ O	pass	Pass
λ ,0.5 M in H ₂ O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager