

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-22 13:35:55
Date of Next Testing: 2029-07-21 13:35:55
Product Name: **HEPES sodium salt**
CAS Number: 75277-39-3
Specifications & Purity: $\geq 99.5\%$ (T)
Lot #: G2516419
SKU #: **H100305**
Version: **2**
Analysis #: **546883**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.29
UV Absorbance 280nm(c = 1 M)	0-0.2	0.20
Heavy metal (as Pb)	0-5 (ppm)	3.00 ppm
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.51%
Water by Karl Fischer	0-3 (%)	2.16%
PH(1M Water)	10-12	10.27
Appearance (H100305)	White powder	White powder
Solubility in H ₂ O, Colorless and clear(500mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager