

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-20 10:35:24  
Date of Next Testing: 2029-09-19 10:35:24  
Product Name: **HEPES sodium salt**  
CAS Number: 75277-39-3  
Specifications & Purity:  $\geq 99.5\%$ (T)  
Lot #: I2511624  
SKU #: **H100305**  
Version: **2**  
Analysis #: **536474**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.29
Heavy metal (as Pb)	0-5 (ppm)	3.00 ppm
Water by Karl Fischer	0-3 (%)	2.16 %
PH(1M Water)	10-12	10.27
UV Absorbance 280nm(c = 1 M)	0-0.2	0.20
Purity (Titration by H2SO4)	99.5-100.5 (%)	99.51 %
Appearance (H100305)	White powder	White powder
Solubility in H2O , Colorless and clear(500mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager