

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-20 10:27:07
 Date of Next Testing: 2029-09-19 10:27:07
 Product Name: **HEPES sodium salt**
 CAS Number: 75277-39-3
 Specifications & Purity: $\geq 99.5\%$ (T)
 Lot #: I2511400
 SKU #: **H100305**
 Version: **2**
 Analysis #: **536474**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.29000
Heavy metal (as Pb)	0-5 (ppm)	3.00000 ppm
Water by Karl Fischer	0-3 (%)	2.16360 %
PH(1M Water)	10-12	10.27000
UV Absorbance 280nm(c = 1 M)	0-0.2	0.20000
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.51000 %
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