

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-12 14:56:29  
Date of Next Testing: 2029-06-11 14:56:29  
Product Name: **HEPES**  
CAS Number: 7365-45-9  
Specifications & Purity:  $\geq 99\%$   
Lot #: F2502094  
SKU #: **H109406**  
Version: **0**  
Analysis #: **476777**  
Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Neutralization titration)	99-101 (%)	100.43000 %
Water by Karl Fischer	0-1 (%)	0.22070 %
UV Absorbance(1mol/L,H2O,320nm)	0-0.1	0.01000
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
UV Absorbance(1mol/L, H2O, 250nm)	0-0.25	0.04900
UV Absorbance(1mol/L,H2O,260nm)	0-0.15	0.03100
Appearance (H109406)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless and clear(500mg/ml)	pass	Pass



John Su  
QA & QC Manager