

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-05 16:20:28

Date of Next Testing: 2029-05-04 16:20:28

Product Name: **HEPES**

CAS Number: 7365-45-9

Specifications & Purity: $\geq 99.5\%$ (T)

Lot #: D2530235

SKU #: **H109407**

Version: **0**

Analysis #: **501239**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.21740 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
UV Absorbance 290nm(33%,H ₂ O)	0-0.05	0.02800
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.48000 %
Appearance (H109407)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O , clear colorless ,500mg/ml in water	pass	Pass
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager