

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-09 16:26:23

Date of Next Testing: 2028-12-08 16:26:23

Product Name: **HEPES**

CAS Number: 7365-45-9

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

Lot #: L2406584

SKU #: **H109407**

Version: **0**

Analysis #: **439571**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.03630 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
UV Absorbance 290nm(33%,H ₂ O)	0-0.05	0.01700
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	99.89000 %
Appearance (H109407)	White Powder or Crystals	White Powder or Crystals
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless ,500mg/ml in water	pass	Pass



John Su
QA & QC Manager