

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-26 19:17:16

Date of Next Testing: 2028-12-25 19:17:16

Product Name: **HEPES**

CAS Number: 7365-45-9

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

Lot #: L2424510

SKU # **H109407**

Version **0**

Analysis #: **448205**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.28060 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.08000 %
UV Absorbance 290nm(33%,H ₂ O)	0-0.05	0.02000
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