

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-01 11:51:23
 Date of Next Testing: 2029-02-28 11:51:23
 Product Name: **HEPES**
 CAS Number: 7365-45-9
 Specifications & Purity: $\geq 99.5\%$ (T)
 Lot #: B2525295
 SKU #: **H109407**
 Version: **0**
 Analysis #: **473858**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.22070 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
UV Absorbance 290nm(33%,H ₂ O)	0-0.05	0.01800
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.43000 %
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