

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-15 15:51:09

Date of Next Testing: 2026-02-14 15:51:09

Product Name: **HEPES**

CAS Number: 7365-45-9

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

Lot #: B2212418

SKU #: **H109407****Analysis: 061686**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.07 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.49 %
UV Absorbance 290nm(33%,H <sub>2</sub> O)	0-0.05	0.03
Appearance (H109407)	White Powder or Crystals	White Powder or Crystals
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless ,500mg/ml in water	pass	Pass

John Su  
QA & QC Manager