

Certificate of Analysis

Date of Testing: 2024-08-29 13:27:43
Date of Next Testing: 2028-08-28 13:27:43
Product Name: **HEPES**
CAS Number: 7365-45-9
Specifications & Purity: $\geq 99.5\%$ (T)
Lot #: H2420443
SKU #: **H109407**
Version: **0**
Analysis #: **396852**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.13 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.41 %
UV Absorbance 290nm(33%,H ₂ O)	0-0.05	0.02
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