

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2023-06-06 09:25:57

Date of Next Testing: 2027-06-05 09:25:57

Product Name: **HEPES**

CAS Number: 7365-45-9

Specifications & Purity: 99%

Lot #: F2303280

SKU #: **H109406**

Analysis: **234777**

Parameter	Limit Values	Result
Purity(Neutralization titration)	99-101 (%)	100.48000 %
Water by Karl Fischer	0-1 (%)	0.55110 %
UV Absorbance(1mol/L,H ₂ O,320nm)	0-0.1	0.06000
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
UV Absorbance(1mol/L, H ₂ O, 250nm)	0-0.25	0.12000
UV Absorbance(1mol/L,H ₂ O,260nm)	0-0.15	0.08800
Appearance (H109406)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless and clear(500mg/ml)	pass	Pass



John Su
QA & QC Manager