

Certificate of Analysis

Date of Testing: 2024-12-10 15:23:50

Date of Next Testing: 2028-12-09 15:23:50

Product Name: **HEPES sodium salt**

CAS Number: 75277-39-3

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

Lot #: L2406531

SKU #: **H100305**

Version: **2**

Analysis #: **418834**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.29
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-3 (%)	0.82 %
PH(1M Water)	10-12	10.90
UV Absorbance 280nm(c = 1 M)	0-0.2	0.20
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.51 %
Appearance (H100305)	White powder	White powder
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