

Certificate of Analysis

Date of Testing: 2025-06-11 13:38:22

Date of Next Testing: 2029-06-10 13:38:22

Product Name: **HEPES sodium salt**

CAS Number: 75277-39-3

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

Lot #: I2107450

SKU # **H100305**

Version **2**

Analysis #: **522282**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.01
UV Absorbance 280nm(c = 1 M)	0-0.2	0.00
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.50 %
Water by Karl Fischer	0-3 (%)	1.56 %
PH(1M Water)	10-12	10.60
Appearance (H100305)	White powder	White powder
Solubility in H ₂ O , Colorless and clear(500mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager