

Certificate of Analysis

Date of Testing: 2024-12-05 11:45:43

Date of Next Testing: 2028-12-04 11:45:43

Product Name: **HEPES sodium salt**

CAS Number: 75277-39-3

Specifications & Purity: $\geq 99\%$ (T)

Lot #: B2104132

SKU #: **H100304**

Version: **1**

Analysis #: **443541**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	3.01 ppm
Purity (Titration by H ₂ SO ₄) (anhydrous)	99-100 (%)	99.50 %
Water by Karl Fischer	0-7 (%)	0.11 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.00
UV Absorbance 280nm(c = 1 M)	0-0.2	0.00
Appearance (H100304)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Very Faint Yellow, Clear,at 500 mg/ml pass		Pass



John Su
QA & QC Manager