

Certificate of Analysis

Date of Testing: 2023-03-06 16:19:10
Date of Next Testing: 2027-03-05 16:19:10
Product Name: **HEPES sodium salt**
CAS Number: 75277-39-3
Specifications & Purity: $\geq 99\%$ (titration)
Lot #: C2302681
SKU #: **H100304**
Analysis: **194525**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity (Titration by H ₂ SO ₄) (anhydrous)	99-100 (%)	99.70 %
Water by Karl Fischer	0-7 (%)	0.63 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.11
UV Absorbance 280nm(c = 1 M)	0-0.2	0.07
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