

Certificate of Analysis

Date of Testing: 2024-06-14 10:04:53
Date of Next Testing: 2028-06-13 10:04:53
Product Name: **HEPES sodium salt**
CAS Number: 75277-39-3
Specifications & Purity: $\geq 99.5\%$ (titration)
Lot #: F2412240
SKU #: **H100305**
Version: **1**
Analysis #: **362715**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm(c = 1 M)	0-0.4	0.28
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-3 (%)	0.82 %
Total Aerobic Microbial Count	0-20 (cfu/g)	0.36 cfu/g
PH(1M Water)	10-12	11.30
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.51 %
UV Absorbance 280nm(c = 1 M)	0-0.2	0.20
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