

Certificate of Analysis

Date of Testing: 2024-04-27 14:28:27
Date of Next Testing: 2028-04-26 14:28:27
Product Name: **HEPES sodium salt**
CAS Number: 75277-39-3
Specifications & Purity: $\geq 99.5\%$ (titration)
Lot #: D2415416
SKU #: **H100305**
Analysis: **351613**
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	0.12
Heavy metal (as Pb)	0-5 (ppm)	4.26 ppm
Purity (Titration by H ₂ SO ₄)	99.5-100.5 (%)	99.50 %
Water by Karl Fischer	0-3 (%)	1.20 %
Total Aerobic Microbial Count	0-20 (cfu/g)	0.00 cfu/g
PH(1M Water)	10-12	11.20
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