

Certificate of Analysis

Date of Testing: 2024-11-15 09:38:19

Date of Next Testing: 2028-11-14 09:38:19

Product Name: **HEPES sodium salt**

CAS Number: 75277-39-3

Specifications & Purity: for cell culture, ≥99.5%(T)

Lot #: B2104131

SKU #: **H100306**

Version: **4**

Analysis #: **436913**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.02 EU/g
Water by Karl Fischer	0-3 (%)	0.12 %
standard plate count	0-100 (cfu/g)	25.25 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	3.10 ppm
Iron(Fe)	0-5 (ppm)	1.60 ppm
UV Absorbance 280nm(c = 0.1M)	0-0.02	0.00606
UV Absorbance 260nm(c = 0.1M)	0-0.04	0.00850
PH(25 °C,1% in Water)	9.5-10.5	9.52
Purity(Titration)(dry basis)	99.5-100.5 (%)	99.50700 %
Appearance (H100306)	White powder	White powder
Cell Culture Test	pass	Pass
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H ₂ O	Pass	Pass



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager