

Certificate of Analysis

Date of Testing: 2025-06-25 09:07:25

Date of Next Testing: 2029-06-24 09:07:25

Product Name: **HEPES sodium salt(HEPES-Na)**

CAS Number: 75277-39-3

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

Lot #: K2112173

SKU # **H100306**

Version **4**

Analysis #: **533860**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.05 EU/g
Water by Karl Fischer	0-3 (%)	1.80 %
standard plate count	0-100 (cfu/g)	36.00 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	2.00 ppm
Iron(Fe)	0-5 (ppm)	2.97 ppm
UV Absorbance 280nm(c = 0.1M)	0-0.02	0.00604
UV Absorbance 260nm(c = 0.1M)	0-0.04	0.00848
PH(25 °C,1% in Water)	9.5-10.5	9.52
Purity(Titration)(dry basis)	99.5-100.5 (%)	100.48700 %
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 H2O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H2O	Pass	Pass



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager