

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-11 17:10:53
 Date of Next Testing: 2029-06-10 17:10:53
 Product Name: **HEPES sodium salt(HEPES-Na)**
 CAS Number: 75277-39-3
 Specifications & Purity: for cell culture, ≥99.5%(T)
 Lot #: F2510633
 SKU #: **H100306**
 Version: **4**
 Analysis #: **518927**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.02530 EU/g
Water by Karl Fischer	0-3 (%)	1.71250 %
standard plate count	0-100 (cfu/g)	0.52360 cfu/g
Iron(Fe)	0-5 (ppm)	0.00000 ppm
UV Absorbance 280nm(c = 0.1M)	0-0.02	0.01300
UV Absorbance 260nm(c = 0.1M)	0-0.04	0.02000
PH(25 °C,1% in Water)	9.5-10.5	9.86000
Heavy metal (as Pb)	0-5 (ppm)	4.90000 ppm
Purity(Titration)(dry basis)	99.5-100.5 (%)	99.51000 %
Appearance (H100306)	White powder	White powder
Solubility in H ₂ O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H ₂ O	Pass	Pass
Cell Culture Test	pass	Pass
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager