

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-07 18:55:27  
Date of Next Testing: 2029-11-06 18:55:27  
Product Name: **HEPES sodium salt(HEPES-Na)**  
CAS Number: 75277-39-3  
Specifications & Purity: for cell culture, ≥99.5%(T)  
Lot #: K2506126  
SKU #: **H100306**  
Version: **4**  
Analysis #: **564314**  
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 (%)	1.79 %
standard plate count	0-100 (cfu/g)	2.51 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
UV Absorbance 280nm(c = 0.1M)	0-0.02	0.01000
UV Absorbance 260nm(c = 0.1M)	0-0.04	0.01800
PH(25 °C,1% in Water)	9.5-10.5	9.86
Purity(Titration)(dry basis)	99.5-100.5 (%)	99.54000 %
Appearance (H100306)	White powder	White powder
Solubility in H <sub>2</sub> O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H <sub>2</sub> 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