

Certificate of Analysis

Date of Testing: 2025-03-03 17:59:28

Date of Next Testing: 2029-03-02 17:59:28

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

CAS Number: 75277-39-3

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

Lot #: B2528385

SKU #: **H100306**

Version: **4**

Analysis #: **464797**

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 (%)	1.13 %
standard plate count	0-100 (cfu/g)	1.65 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	2.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm(c = 0.1M)	0-0.04	0.03800
PH(25 °C,1% in Water)	9.5-10.5	9.66
UV Absorbance 280nm(c = 0.1M)	0-0.02	0.01500
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager