

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-16 16:40:43  
Date of Next Testing: 2028-01-15 16:40:43  
Product Name: **HEPES sodium salt**  
CAS Number: 75277-39-3  
Specifications & Purity: for cell culture, ≥99.5%(T)  
Lot #: D2008024  
SKU #: **H100306**  
**Analysis:** **314841**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.03 EU/g
Water by Karl Fischer	0-3 (%)	1.50 %
standard plate count	0-100 (cfu/g)	60.00 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	1.80 ppm
Iron(Fe)	0-5 (ppm)	1.20 ppm
Purity(Titration)	99.5-100.5 (%)	99.50 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.03
UV Absorbance 280nm(c = 1 M)	0-0.2	0.02
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 <sub>2</sub> O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H <sub>2</sub> O	Pass	Pass



John Su  
QA & QC Manager