

Certificate of Analysis

Date of Testing: 2023-09-27 09:51:32
Date of Next Testing: 2027-09-26 09:51:32
Product Name: **HEPES sodium salt**
CAS Number: 75277-39-3
Specifications & Purity: for cell culture, ≥99.5%(T)
Lot #: I2322120
SKU #: **H100306**
Version: **2**
Analysis #: **034587**
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)	3.00 ppm
Purity(Titration)	99.5-100.5 (%)	100.49 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.12
UV Absorbance 280nm(c = 1 M)	0-0.2	0.06
Appearance (H100306)	White powder	White powder
Cell Culture Test	pass	Pass
DNase, RNase and Protease	None Detected	none detected
Solubility in H ₂ O , Colorless and clear(500mg/ml)	pass	Pass
λ,0.1 M in H ₂ O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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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