

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: HEPES Sodium Salt, cell culture reagent

Catalog Number: 194550

Lot: 1559H

Formula: $C_8H_{17}N_2NaO_4S$

CAS #: 75277-39-3

Physical Description: White Powder

Formula Weight: 260.3

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 98.0\%$	99.9%
FTIR	Conforms to Standard	Conforms to Standard
pH (1% aq soln)	9.5 - 10.8	10.6
Loss on Drying	$\leq 3.0\%$	1.4%

A260 (0.1 M aq soln) 0.1

A280 (0.1 M aq soln) 0.00

A260 (1.0 M aq soln) 0.1

A280 (1.0 M aq soln) 0.1

Heavy Metals (as Pb) - 1.0 ppm max

pKa @ 25°C 7.6

Solubility of 0.1M in H₂O - clear, colorless solution

11/19/2003 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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