

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: HEPES Sodium Salt, cell culture reagent

Catalog Number: 194550

Lot: 1560H

Formula: $C_8H_{17}N_2NaO_4S$

CAS #: 75277-39-3

Physical Description: fine, white powder

Formula Weight: 260.28

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 98.0\%$	99.7% (titration)
FTIR	Conforms to Standard	Conforms to Standard
pH (1% aq soln)	9.5 - 10.8	10.6
Loss on Drying	$\leq 3.0\%$	0.9%

A260 (0.1M H₂O): 0.01

A280 (0.1M H₂O): 0.00

A260 (1.0M H₂O): 0.1

A280 (1.0M H₂O): 0.1

Heavy Metals: 1.0 ppm max

pKa: 7.6

Solubility in 0.1M H₂O: clear, colorless

12/11/2003 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)