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Certificate of Analysis

Product Description: HEPES, free acid, cell culture reagent.**Catalog Number:** 194549**Lot:** YC0708**Formula:** $C_8H_{18}N_2O_4S$ **CAS #:** 7365-45-9**Physical Description:** White Powder**Formula Weight:** 238.3**Storage:** desiccate, 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 98\%$	100% (titration, dry basis)
OD250 (10% aq soln)	<0.2	0.035
OD260 (10% aq soln)	<0.1	0.016
OD280 (10% aq soln)	<0.1	0.012
pH (1% aq soln)	4.0 - 5.5	5.24
Moisture	<1.0%	0.2%
Solubility (10% aq soln)	Clear, Colorless Solution	Clear, Colorless Solution

Heavy Metals (as Pb): #5 ppm**Recommended retest date (MM/DD/YYYY):** 12/23/202408/04/2022 - Lily Liu
MP Biomedicals, LLC.
QM

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<http://www.mpbio.com>

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)