

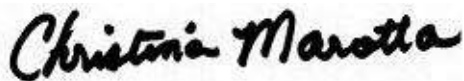
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Certificate of Analysis

Product Description: L-Histidine, Free Base
Catalog Number: 101954
Lot: M8393**Formula:** C₆H₉N₃O₂
CAS #: 71-00-1
Physical Description: White Powder**Formula Weight:** 155.16
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.20%
FTIR	Conforms to Standard	Conforms to Standard
pH (1% aq soln)	7.0 - 8.5	7.7
Loss on Drying	≤0.5%	0.10%
Optical Rotation (c=10, 4N HCl)	+11.0° to +13.5°	+12.3°

Heavy metals: 8 ppm
Iron: 7 ppm
Arsenic: <1 ppm
Residue on ignition: 0.04%
Chloride: 0.014%
Sulfate: <0.03%
Total plate count: <1000 cfu/g
Yeast & Mold: <100 cfu/g
Coliforms: Negative
E.coli & Salmonella: Negative
Melamine free
80 Mesh



12/18/2013 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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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)