

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: L-Ascorbic Acid

Catalog Number: 100769

Lot: 1332H

Formula: C₆H₈O₆

CAS #: 50-81-7

Physical Description: White Powder

Formula Weight: 176.13

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	186 - 196°C	190.2-190.4
pH (10% aq soln)	1 - 3	2.42
Optical Rotation (c=1, water)	+18° to +32°	+20.7°

Arsenic <4 ppm

Assay 99.30%

Clarity of solution - conforms

Color of solution BY7 max

Copper Salt <5 ppm,

Ferrite <2 ppm

Heavy Metals <5 ppm

Melting point 190.2 - 190.4°C

Mesh Size >55%

Organic Volatile Impurities - conforms

Oxalate <0.2%

pH = 2.42

Residue on Ignition 0.04%


10/28/2003 - Joseph Dietz, Ph.D.
MP Biomedicals, LLC.

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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)