

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: L-Ascorbic Acid

Catalog Number: 100769

Lot: 1097J

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	191°C
pH (10% aq soln)	1 - 3	2.3
Optical Rotation (c=1, water)	+18° to +32°	+21°

Assay: 99.9%

Copper: <3 ppm

Heavy Metals: <3 ppm

Iron: <2 ppm

Mercury: <1 ppm

Zinc: <2.5 ppm

Arsenic: <3 ppm

Lead: <1 ppm

Oxalic Acid: <0.2%

Loss on Drying: <0.1%

Sulfated Ash: <0.1%

02/01/2006 - Robert Beattie

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)