

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: L-Arginine Hydrochloride_
Catalog Number: 100743_
Lot: 3974H_

Formula: C₆H₁₄N₄O₂·HCl

CAS #: 1119-34-2

Physical Description: White Crystalline Powder

Formula Weight: 210.67

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation (c=8, 2 N HCl)	+20° to +23°	+22.3°
Loss on Drying	≤ 0.5%	0.11%
Melting Point	220-230°C	222.4-224.8°C

Chloride Content 16.7%

Sulfate 0.012%

Heavy Metals 0.0012%

Residue on Ignition 0.06%

Assay 99.5%

06/16/2004 - 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)

