



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: L-Arginine Hydrochloride
Catalog Number: 100743
Lot: 5247K

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°	+22.4°
Loss on Drying	#0.5%	0.11%
Melting Point	220 - 230°C	220.7°C

Assay: 99.65%

Chloride: 16.8%

Chromatog. Purity: Conforms to USP 31

Organic Volatile Impurities: Conforms to USP 31

Residual Solvents: Conforms to USP 31

Residue on Ignition: 0.04%

Sulfate: #0.007%

Heavy Metals: 10 ppm

E coli: Negative

Salmonella: Negative

Staphylococcus aureus: Negative

Total Plate Count: <1000 cfu/g

Yeast & Mold: <100 cfu/g

Christina Marotta

11/11/2009 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

<mailto:biotech@mpbio.com>

<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)