

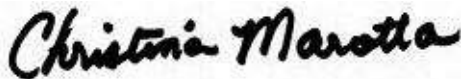
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Certificate of Analysis

Product Description: L-Arginine, free base
Catalog Number: 100736
Lot: M7719**Formula:** C₆H₁₄N₄O₂
CAS #: 74-79-3
Physical Description: White Powder**Formula Weight:** 174.20
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.73%
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation (c=1.6, 6N HCl)	+26.3° to +27.7°	+27.2°
Moisture	≤0.3%	0.28%

State of solution: 98.9%
Chloride (Cl): <0.20%
Ammonium (NH₄): <0.20%
Sulfate (SO₄): <0.20%
Iron (Fe): <10 ppm
Heavy metals (Pb): <10 ppm
Arsenic (As₂₀₃): <1 ppm
Other amina acids: Chromatographically not detectable
Residue on ignition (sulfated): 0.06%
pH: 11.05



09/26/2013 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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