



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: DL-Valine_
Catalog Number: 103229_
Lot: QR12517_

Formula: C₅H₁₁NO₂

CAS #: 516-06-3

Physical Description: White Powder

Formula Weight: 117.15

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.2%
FTIR	Conforms to Standard	Conforms to Standard

Chloride: <0.10%

Heavy metals: <10 ppm

Arsenic: <2 ppm

Loss on drying: 0.19%

Residue on ignition: 0.07%

Optical rotation: 0.02°

Recommended retest date: 07/26/2017

07/29/2016 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

This is an electronically generated document

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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)