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Certificate of Analysis

Product Description: DL-Valine_
Catalog Number: 103229_
Lot: QR15102_

Formula: C₅H₁₁NO₂
CAS #: 516-06-3
Physical Description: White Powder

Formula Weight: 117.15
Storage: 15-30°C

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: 01/25/2019

01/29/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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<mailto:biotech@mpbio.com>
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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)