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Certificate of Analysis

Product Description: DL-Valine_
Catalog Number: 103229_
Lot: M8835_

Formula: C ₅ H ₁₁ NO ₂ CAS #: 516-06-3 Physical Description: White Powder	Formula Weight: 117.15 Storage: Room Temperature
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Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.2%
FTIR	Conforms to Standard	Conforms to Standard

Chloride: <0.10%
Heavy metal: <10 ppm
Arsenic: <2 ppm
Loss on drying: 0.10%
Residue on ignition: 0.08%

03/20/2014 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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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)