



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: DL-Valine_
Catalog Number: 103229_
Lot: R17128_

Formula: C₅H₁₁NO₂

CAS #: 516-06-3

Physical Description: White crystalline powder

Formula Weight: 117.10

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	100%
FTIR	Conforms to Standard	Conforms to Standard

Additional Tests for Information Only:

Optical Rotation (c = 3, 1 N HCl): +1.3° ± 0.5

Melting Point: 295-297°C

Loss on Drying: 0.05%

Residue on Ignition: 0.02%

Heavy Metals (as Pb): Less than 10 ppm

Approved - 01/05/2004 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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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)