

**MP Biomedicals, LLC**

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: L-Leucyl-L-alanine_

Catalog Number: 102167_

Lot: 3052KA_

Formula: $C_9H_{18}N_2O_3$

CAS #: 7298-84-2

Physical Description: White Crystalline Powder

Formula Weight: 202.30

Storage: -0°C

Solubility (50 mg/ml in 80% acetic acid): Clear, Colorless Solution

Elemental Analysis:

-- C: 40.5%

-- H: 9.0%

-- N: 10.4%

TLC: Complies with Authentic Material

Specific Optical Rotation (c=2, methanol): +22.2°

Purity (TLC): >99%

Assay (elemental analysis): 75.0%

Assay (titration): 74.8%

Water Content (KF): 24.8%

02/18/2009 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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)