



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: DL-Threonine_
Catalog Number: 103050_
Lot: 9104K_

Formula: C₄H₉NO₃

CAS #: 80-68-2

Physical Description: White Powder

Formula Weight: 119.12

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.2%
Melting Point	238 - 248°C	238°C
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	≤0.2%	0.18%
Optical Rotation	-1° to +1° (c=3, water)	0.8°

Chloride: <0.020%

Heavy Metals: <10 ppm

Arsenic: <1 ppm

Residue on Ignition (Sulfated): 0.06%

pH: 5.3

Transmittance: 98.1%

Christina Marotta

12/15/2010 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

