

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: L-Proline, cell culture reagent

Catalog Number: 194728

Lot: 1873B

Formula: $C_5H_9NO_2$

CAS #: 147-85-3

Physical Description: Off-White Powder

Formula Weight: 115.10

Storage: room temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 99\%$	99.4%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	$\leq 0.4\%$	0.20%
Optical Rotation ($c=1.6$, water)	-82° to -85°	83.5°
Hydroxy-L-proline	Free	Passes

Approved - 02/02/2000 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

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<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)