

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: D-Pantothenic Acid Calcium Salt, cell culture reagent.

Catalog Number: 194721_

Lot: 2105J_

Formula: $C_9H_{16}NO_5 \cdot \frac{1}{2}Ca$

CAS #: 137-08-6

Physical Description: White Powder

Formula Weight: 238.3

Storage: +4°C

Test	Specification	Results
Identity Test	Passes	Passes
Specific Rotation (c=5, water)	+26.0 ± 5°	+25.6
Moisture	Report Result	2.4%

Nitrogen Content: 5.8%

Calcium Content: 8.3%

Heavy Metals: < 0.002%

Ordinary Impurities: < 1.0%

Alkalinity: Passes Test

Organic Volatile Impurities: Passes Test

04/25/2006 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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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)