



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** L-(+)-Rhamnose Monohydrate\_  
**Catalog Number:** 102809\_  
**Lot:** 8540J\_

**Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>·H<sub>2</sub>O

**CAS #:** 10030-85-0

**Physical Description:** Off-white Crystals

**Formula Weight:** 182.17

**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~99%	99.9%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	91 - 101°C	94 - 94.7°C
Moisture	Report Result	10.2%
Optical Rotation	+8.2 ± 1° (c=4, H <sub>2</sub> O, NH <sub>3</sub> )	+8.33°

Residue on Ignition: <0.1%

Calcium: 1 ppm

Total Plate Count: <1 CFU

Yeast: <1 CFU

Mold: <1 CFU

E.coli: Negative

Salmonella: Negative

02/28/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

<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)