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Certificate of Analysis

Product Description: L-(+)-Rhamnose Monohydrate
Catalog Number: 102809
Lot: SR01248**Formula:** C₆H₁₂O₅·H₂O**CAS #:** 10030-85-0**Physical Description:** White Crystals**Formula Weight:** 182.17**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~99%	>99%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	91 - 101°C	92.4 - 94.5°C
Moisture	Report Result	10.0% (KF)
Optical Rotation	+8.2 ± 1° (c=4, H ₂ O, NH ₃)	+8.0°

Residue on ignition: 0.08%

Heavy metals: < 10 ppm

Calcium: < 10 ppm

Reccomended Retest Date (MM/DD/YYYY): 06/20/2021



06/21/2019 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)