



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: D-(+)-Trehalose Dihydrate_
Catalog Number: 153948_
Lot: R15211_

Formula: C₁₂H₂₂O₁₁·2H₂O

CAS #: 6138-23-4

Physical Description: White Powder

Formula Weight: 378.3

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.3%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	201 - 212°C	203.8-205.8°C
Loss on Drying	≤9.5%	8.78%
Optical Rotation	+176° ± 5° (c=2, water)	+172.0°

Approved - 07/09/2002 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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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)