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Certificate of Analysis

Product Description: D-(+)-Trehalose Dihydrate_
Catalog Number: 153948_
Lot: R22016_

Formula: C₁₂H₂₂O₁₁·2H₂O

CAS #: 6138-23-4

Physical Description: White Crystalline Powder

Formula Weight: 378.3

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Pass
Purity	≥99%	99%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5-10.5%	8.53%
Optical Rotation	+176° ± 5° (c=2, water)	+180°

Turbidity of solution: 0.03%

pH (30% solution): 6.1

Residue on Ignition: 0.01%

Pb: <1 ppm

AS: <1 ppm

07/11/2006 - Robert Beattie

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)