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Certificate of Analysis

Product Description: D-(+)-Trehalose Dihydrate_
Catalog Number: 153948_
Lot: QR12950_

Formula: C₁₂H₂₂O₁₁·2H₂O

CAS #: 6138-23-4

Physical Description: White Powder

Formula Weight: 378.3

Storage: Room Temperature

Test	Specification	Results
Identity Test	Passes	Passes
Purity	#99%	99.9%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	8.68%

Water (KF): 9.7%

Solubility: Clear and colorless

Residue on Ignition: 0%

pH: 6.0

Arsenic: #1 ppm

Coliform: Negative

Coloration of solution (30% aq. solution): 0.005

Heavy Metals (Pb): <1 ppm

Turbidity of solution (30% aq soln): 0.000


Viable Count: 0 cfu/g

Specific optical rotation (c=7,H₂O): +177.8°

Specific optical rotation (c=10,H₂O): +200.5°

Soluble starch: Not detected

Recommended Retest Date: 5/10/2021



10/26/2016 - John Huang, PhD

MP Biomedicals, LLC.
Quality Control Manager

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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)