



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: [www.mpbio.com](http://www.mpbio.com)

## Certificate of Analysis

**Product Description:** D-(+)-Trehalose Dihydrate\_  
**Catalog Number:** 153948\_  
**Lot:** QR12657\_

**Formula:** C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>·2H<sub>2</sub>O

**CAS #:** 6138-23-4

**Physical Description:** White Powder

**Formula Weight:** 378.3

**Storage:** Room Temperature

Test	Specification	Results
Identity Test	Passes	Passes
Purity	#99%	99.5%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	9.07%

Residue on Ignition: 0%

pH(30% aq. solution): 5.9

Arsenic: #1 ppm

Coliform: Negative

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

Heavy Metals (Pb): <5 ppm

Turbidity of solution (30% aq soln): 0.000

Viable Count: 0 cfu/g

Recommended Retest Date: 6/8/2021

08/27/2016 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

This is an electronically generated document  
<mailto:biotech@mpbio.com>

<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)