



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

## Certificate of Analysis

**Product Description:** D-(+)-Trehalose Dihydrate\_  
**Catalog Number:** 153948\_  
**Lot:** QR13617\_

**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 Crystalline Powder

**Formula Weight:** 378.3

**Storage:** 15 - 30°C

Test	Specification	Results
Identity Test	Passes	Passes
Purity	#99%	99%
FTIR	Conforms to Standard	Conforms to standard
Loss on Drying	8.5 - 10.5%	8.56%

Residue on Ignition: 0.05%

pH:5.8

Arsenic: 0 ppm

Coliform: Negative

Coloration of solution (30% aq. solution): 0.0

Heavy Metals (Pb): <1 ppm

Turbidity of solution (30% aq soln): <0.050

Viable Count: 0 cfu/g

Recommended Retest Date: 10/09/2021

03/21/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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<http://www.mpbio.com>

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