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## Certificate of Analysis

**Product Description:** D-(+)-Trehalose Dihydrate\_  
**Catalog Number:** 153948\_  
**Lot:** QR10182\_

**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	Result
Identity Test	Passes	Passes
Purity	#99%	99.9%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	9.34%

Residue on Ignition: 0.01%

pH(30% aq. solution): 5.82

Arsenic: #1 ppm

Coliform: Negative

Coloration: 0.007

Heavy Metals (Pb): <1 ppm

Turbidity (30% aq soln): 0.000

Viable Count: 0.0 cfu/g

Recommended Retest Date: 12/31/2019

01/15/2015 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

