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## Certificate of Analysis

**Product Description:** D-(+)-Trehalose Dihydrate\_  
**Catalog Number:** 153948\_  
**Lot:** MR29311\_

**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:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	99.1%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	9.26%

Residue on Ignition: 0.00%

Arsenic: #1 ppm

Coliform Organisms: Negative

Coloration of Solution (30% aq soln): 0.003

Heavy Metals (Pb): #1 ppm

pH (30% aq soln): 5.57

Turbidity of Solution (30% aq soln): 0.00

Viable Count: 0 cfu/g

*Christina Marotta*

05/11/2012 - 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

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)