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## Certificate of Analysis

**Product Description:** D-(+)-Trehalose Dihydrate\_  
**Catalog Number:** 153948\_  
**Lot:** MR28339\_

**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%	99.1%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	9.37%

Residue on Ignition: <0.05%

Arsenic: <0.5 ppm

Coliform Organisms: Negative

Heavy Metals (as Pb): <0.5 ppm

pH (30% aq soln): 5.54

Turbidity of Solution (30% aq soln): #0.050

Viable Count: <10 cfu/g

*Christina Marotta*

05/13/2011 - 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)