

Certificate of Analysis

Product Description: D-(+)-Trehalose Dihydrate
Catalog Number: 103097
Lot: M7064

Formula: C₁₂H₂₂O₁₁·2H₂O

CAS #: 6138-23-4

Physical Description: White Crystalline Powder

Formula Weight: 378.3

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.0%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	8.5 - 10.5%	9.6%

Residue on Ignition: 0.00%

pH: 5.51

Arsenic: ≤1 ppm

Coliform: Negative

Coloration (30% aq soln): 0.003

Heavy Metals (Pb): <1 ppm

Turbidity (30% aq soln): 0.000

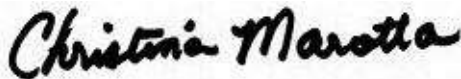
Viable Count: 0.0 cfu/g

Specific optical rotation [α]_{20/D} (c=7, H₂O): +179.3°

Specific optical rotation (anhydrous) [α]_{20/D} (c=10, H₂O): +198.1°

Soluble starch: Not detected

Solubility: Practically clear and colorless



06/25/2013 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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