

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Isomaltose_

Catalog Number: 102093_

Lot: 2176J_

Formula: C₁₂H₂₂O₁₁

CAS #: 499-40-1

Physical Description: White Powder

Formula Weight: 342.3

Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~99%	98.9% (45.3% alpha; 53.6% beta)
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	90 - 105°C	90.1°C

Optical rotation: +112.6 °

Solubility (in water, 0.07/10: Clear

Water: 3.2%

05/16/2006 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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)