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Certificate of Analysis

Product Description: D-(+)-Maltose Monohydrate**Catalog Number:** 102241**Lot:** 7084J**Formula:** $C_{12}H_{22}O_{11} \cdot H_2O$ **CAS #:** 6363-53-7**Physical Description:** White Powder**Formula Weight:** 360.32**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 95\%$	96%
FTIR	Conforms to Standard	Conforms to Standard
Loss on Drying	$\leq 6\%$	2%
Optical Rotation	130.0 ± 2.0 (c=4, water)	+130.0°
Solubility (10% aq soln)	Clear and Colorless	Clear and Colorless

Water (KF): 5.4%

Residue on Ignition: <0.1%

Heavy Metals: <10 ppm

Iron: <5 ppm

Arsenic: <0.5 ppm

10/17/2007 - Robert Beattie

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)