

**MP Biomedicals, LLC**29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: Sucrose, molecular biology reagent**Catalog Number:** 194018**Lot:** 1389B**Formula:** C₁₂H₂₂O₁₁**CAS #:** 57-50-1**Physical Description:** White Crystalline Powder**Formula Weight:** 342.3**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	177-187°C	169.6- 175.7°C
Purity	≥ 99%	>99%
UV/VIS (30% aq) OD260	≤ 0.1	0.07
Optical Rotation	+66.0°±5 (H ₂ O, NH ₄ OH)	+66.49°
Chloride	≤ 0.005%	<0.005%
Glucose	≤ 0.1%	<0.01%
Heavy Metals (as Pb)	≤ 0.0005%	<0.0005%
Sulfate	≤ 0.005%	<0.005%
Iron	≤ 0.0005%	<0.0005%
RNAse	Negative	Passes
DNAse	Negative	Passes

Approved - 08/11/99 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<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)