

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Sucrose, molecular biology reagent

Catalog Number: 194018

Lot: 1839B

Formula: $C_{12}H_{22}O_{11}$

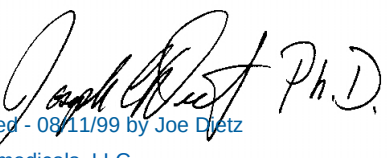
CAS #: 57-50-1

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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<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)