

**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Sucrose, molecular biology reagent

**Catalog Number:** 194018

**Lot:** 1328B

**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	178.0-185.1°C
Purity	$\geq 99\%$	99.9%
UV/VIS (30% aq) OD260	$\leq 0.1$	0.07
Optical Rotation	+66.0°±5 (H <sub>2</sub> O, NH <sub>4</sub> OH)	+66.4°
Chloride	$\leq 0.005\%$	< 0.005%
Glucose	$\leq 0.1\%$	< 0.01%
Heavy Metals (as Pb)	$\leq 0.0005\%$	< 0.0005%
Sulfate	$\leq 0.005\%$	< 0.005%
Iron	$\leq 0.0005\%$	< 0.0005%
RNAse	Negative	none
DNAse	Negative	none

*Joseph R. Best Ph.D.*

Approved - 08/11/99 by Joe Dietz

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)