



**MP Biomedicals, LLC**

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## Certificate of Analysis

<b>Product Description:</b> D-Mannitol_ <b>Catalog Number:</b> 102248_ <b>Lot:</b> Q2710_
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<b>Formula:</b> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> <b>CAS #:</b> 69-65-8 <b>Physical Description:</b> Fine white powder	<b>Formula Weight:</b> 182.17 <b>Storage:</b> Room Temperature
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Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	99%
Melting Point	163-172°C	165.0-166.6°C
Loss on Drying	≤1.0%	0.23%
Optical Rotation (c=1, ammonium molybdate, sulfuric acid)	+130 to +150°	+141.7°

**Particle size:**

- thru 60 mesh: 0.8%
- thru 100 mesh: 1.00%
- thru 200 mesh: 17.8%
- thru 325 mesh: 48.8%

Clostridium reducer sulphite/2gm: Absent

E.coli/g: Absent

Enterobacteria/g: Absent

Fecal coliform/g: Absent

Osmophies/g: 10 cfu

Stranger malform/100/g: Absent

Salmonella/25g: Absent

Recommended Retest Date: 03/06/2017

07/30/2015 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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