



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** D-Mannitol\_  
**Catalog Number:** 102248\_  
**Lot:** Q2709\_

**Formula:** C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>  
**CAS #:** 69-65-8  
**Physical Description:** Fine white powder

**Formula Weight:** 182.17  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	98.7%
Melting Point	163-172°C	165.0 - 166.7°C
Loss on Drying	≤1.0%	0.05%
Optical Rotation (c=1, ammonium molybdate, sulfuric acid)	+130 to +150°	+139.5°

**Particle size:**

- thru 80 mesh: 0.8%
- thru 100 mesh: 1.0%
- thru 200 mesh: 17.8%
- thru 325 mesh: 48.8%

Clostridium reducer sulphite 2/g: Absent

E.coli/g: Absent

Enterobacter/g: Absent

Fecal coliform/g: Absent

Osmophilicas/g: 10 cfu/g

Strangermattors/100 g: Absent

Salmonella/25g: Absent

Recommended Retest Date: 3/6/2017

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

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