



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** DL-Serine\_  
**Catalog Number:** 102868\_  
**Lot:** 3357C\_

**Formula:** C<sub>3</sub>H<sub>7</sub>NO<sub>3</sub>

**CAS #:** 302-84-1

**Physical Description:** white powder

**Formula Weight:** 105.1

**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.7%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	234 - 244°C	238 - 240°C
Optical Rotation (c = 5, 1N HCl)	-1° to + 1°	Passes

  
10/27/1969 - Joseph Dietz, Ph.D.  
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)