



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** Poly-DL-Alanine\_  
**Catalog Number:** 102677\_  
**Lot:** Q3498\_

**Formula:** N/A  
**CAS #:** 25281-63-4  
**Physical Description:** White Powder

**Formula Weight:** 1000 - 5000 (Molecular weight determined by non-aqueous end group titration)  
**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Molecular Weight	1,000 - 5,000	2100 (viscosity)

Average Degree of Polymerization: 40  
Source: Synthetic  
Water Soluble  
Purity (NMR): 95%  
Recommended Retest Date: 12/24/2016

01/20/2016 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

This is an electronically generated document  
<mailto:biotech@mpbio.com>  
<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)