



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

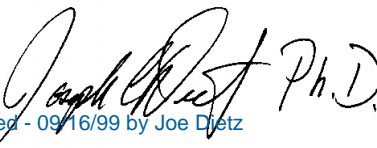
Certificate of Analysis

Product Description: Melphalan_
Catalog Number: 155345_
Lot: 2611C_

Formula: C₁₃H₁₈Cl₂N₂O₂
CAS #: 148-82-3
Physical Description: White Powder

Formula Weight: 305.2
Storage: Room Temperature, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥95%	99.8%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	175 - 185°C	180 - 182°C
Moisture	≤7%	2.80%
Optical Rotation (c=0.7, methanol)	-31° ± 5°	-33.3°


Approved - 09/16/99 by Joe Dietz
MP Biomedicals, LLC.
Technical Director

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)