



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Melphalan
Catalog Number: 155345
Lot: 8131E

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%	96.19%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	175 - 185°C	180.2 - 182°C
Moisture	≤7%	5.19%
Optical Rotation (c=0.7, methanol)	-31° ± 5°	-34.5°

Residue on Ignition: 0.01%
Ionizable chlorine: 0.078 mL
Nitrogen content: 8.9%

10/12/2001 - 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)