



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Melphalan_
Catalog Number: 155345_
Lot: M5900_

Formula: C ₁₃ H ₁₈ Cl ₂ N ₂ O ₂ CAS #: 148-82-3 Physical Description: White Powder	Formula Weight: 305.2 Storage: Room Temperature, protect from light
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Test	Specification	Result
Identity Test	Passes	Passes
Purity	#95%	98.26%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	175 - 185°C	175.1 - 177.3°C
Moisture	#7%	2.89%
Optical Rotation (c=0.7, methanol)	-31° ± 5°	-34.37°

Residue on Ignition: 0.05%
Ionizable Chlorine: 0.45 ml of 0.1 N silver nitrate/500 mg sample
Nitrogen: 8.98%
Organic Volatile Impurities: Meets the Requirements

Christina Marotta

01/30/2013 - Christina Marotta
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)