



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** MELPHALAN\_  
**Catalog Number:** 155345\_  
**Lot:** 8654B\_

**Formula:** C<sub>13</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>

**CAS #:** 148-82-3

**Physical Description:** white, chunky solid with slight yellow tint

**Formula Weight:** 305.2

**Storage:** Room Temperature, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	Not less than 95%	96.3%
FTIR	Conforms to standard	Passes
Melting Point	175 - 185 <sup>o</sup> C	177 - 179 <sup>o</sup> C (dec)
Moisture	Not more than 7%	1.01% (LOD)
Optical Rotation (C=0.7, MeOH)	-31 <sup>o</sup> ± 5 <sup>o</sup>	-33.9 <sup>o</sup>

Approved - 05/24/99 by Joe Dietz

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)