



MP Biomedicals, LLC

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## Certificate of Analysis

**Product Description:** Oleanolic Acid\_  
**Catalog Number:** 153981\_  
**Lot:** 1686C\_

**Formula:** C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>  
**CAS #:** 508-02-1  
**Physical Description:** White Powder

**Formula Weight:** 456.70  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	<b>Passes</b>
Source	Panax ginseng	<b>Passes</b>
Purity	~98%	<b>98%</b>
Melting Point	295-305°C	<b>299.6-303.6°C</b>
FTIR	Conforms to Reference	<b>Conforms to Reference</b>
Optical Rotation (c=0.6, CHCl <sub>3</sub> )	+83.3° ± 2°	<b>Passes</b>

  
Approved - 07/30/99 by Joe Dietz  
MP Biomedicals, LLC.  
Technical Director

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