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## Certificate of Analysis

**Product Description:** Saponin, Practical Grade\_  
**Catalog Number:** 102855\_  
**Lot:** 5528K\_

**Formula:** N/A  
**CAS #:** 8047-15-2

**Physical Description:** Cream Colored Powder

**Formula Weight:** N/A  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Source	Plant	Plant
FTIR	Conforms to Standard	Conforms to Standard
pH (5% aq soln)	3 - 7	5.4
Loss on Drying	≤10%	3.85%

Surface Tension (20°C; 0.1%; water): 49 mN/m

12/23/2009 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)