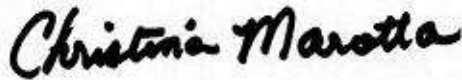


**MP Biomedicals, LLC**29525 Fountain Parkway  
Solon, Ohio 44139Telephone: 440/337-1200  
Toll Free: 800/854-0530

## Certificate of Analysis

**Product Description:** Lubrol  
**Catalog Number:** 195299  
**Lot:** M4487**Formula:**  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{C}_{16}\text{H}_{33}$   $n \approx 23$   
**CAS #:** 9004-95-9  
**Physical Description:** Off-white Waxy Solid**Formula Weight:** N/A  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
pH (5% aq soln)	Report Result	6.60
Melting Point	38 - 48°C	39.5 - 44.8°C
Solubility (5% aq soln)	Clear to Hazy, Colorless Solution	Colorless and Hazy Solution

Acid Value: 0.01  
Hydroxyl Value: 52.23  
Moisture (KF): 0.28%  
Color Gardner: 0.512/03/2012 - Christina Marotta  
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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)