



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Polyvinyl Alcohol, MW ~22,000\_  
**Catalog Number:** 151938\_  
**Lot:** 1109H\_

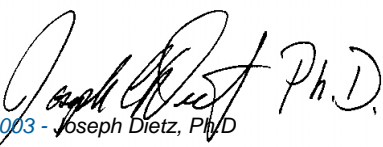
**Formula:** N/A  
**CAS #:** 9002-89-5  
**Physical Description:** white crystals

**Formula Weight:** ~22,000  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Viscosity (4% aq soln)	4 - 6 cps	5.6 cps

Solubility: Soluble in water, add polyvinyl alcohol to cold or room temperature water with agitation over a period of about 2 minutes. Warm solution to at least 85°C and keep it at that temperature or above for at least 30 minutes. The solution can then be cooled and used at any temperature. Solubility problems may occur with solutions greater than 10%. If solutions are to be kept longer than 24 hours, an addition of a biocide is recommended.

Hydrolysis: 87.5%  
Volatiles: 1.8%  
Ash: 0.31%  
pH: 5.3  
Methanol: 0.2%  
Total Organic Volatiles: 0.2%

  
10/14/2003 - Joseph Dietz, Ph.D.  
MP Biomedicals, LLC.  
Technical Director

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