



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Polyvinyl Alcohol, MW ~22,000
Catalog Number: 151938
Lot: 2695J

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	5.3 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.

Ash: 0.66%

Hydrolysis of PVOH: 88%

Methanol: 0.3%

pH (4% soln): 5.4

Total Organic Volatiles: 0.4%

Volatiles (at 105°C): 2.8%

06/28/2006 - Robert Beattie

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)