

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Tween® 20, molecular biology reagent

Catalog Number: 194841

Lot: 2478H

Formula: N/A

CAS #: 9005-64-5

Physical Description: Clear, Yellow Viscous Liquid

Formula Weight: N/A

Storage: Room Temperature

Test	Specification	Result
Identity Test A	Passes	Passes
Identity Test B	Passes	Passes
Identity Test C	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference
Solubility (1g/20 ml)	Clear, Foamy Solution	Clear, Foamy Solution
Specific Gravity	1.08 - 1.13	1.10
Water Content	≤3%	2.4%
Saponification Number	40 - 50	45

Purity: ~50% lauric acid

Acid Value: 1.2 mg KOH/g

Dioxane: 0 ppm

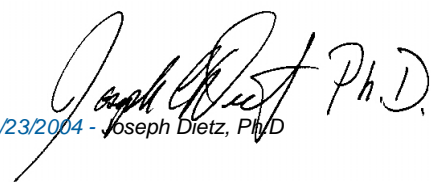
Hydroxyl Value: 104 mgKOH/g

Residue on Ignition: 0.13%

Heavy Metals: < 10 ppm

Acid Value of fatty acids: Passes

Oxyethylene Content: Passes


02/23/2004 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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)