



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** para-Toluenesulfonic Acid Monohydrate\_  
**Catalog Number:** 103087\_  
**Lot:** 9193K\_

**Formula:** C<sub>7</sub>H<sub>8</sub>O<sub>3</sub>S·H<sub>2</sub>O

**CAS #:** 6192-52-5

**Physical Description:** White Crystalline Solid

**Formula Weight:** 190.22

**Storage:** Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	99.9% (HPLC)
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	97 - 107°C	105.3°C

Purity (Neutralization Titration): 100.0%

Solubility in Water: Transparency

Loss on Drying: 1.1%

*Christina Marotta*

01/13/2011 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

<mailto:biotech@mpbio.com>

<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)