



**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:** Tris, Technical Grade\_  
**Catalog Number:** 103132\_  
**Lot:** R26865\_

**Formula:** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>

**CAS #:** 77-86-1

**Physical Description:** White Crystalline Powder

**Formula Weight:** 121.14

**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	99.97%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	165-172°C	170.7°C
pH (5% aq soln)	10-11.5	10.6

OD260 nm (5% aq soln): 0.02

Loss on Drying: 0.1%

Solubility (40% aq soln): Clear, Colorless Solution

Residue on Ignition: 0.02%

Heavy Metals (as Pb): <5.0 ppm

Iron (Fe): 0.4 ppm

Related Substances: 0.03%

Chlorides: <100 ppm

Sulfated Ash: 0.0%

Assay: 100.0%

APHA Color, 20% Aqueous Solution: <5

Water: 0.1%

A280: 0.01 (10% aq soln)

A430: 0.02 (10% aq soln)

A290: 0.04 (10% aq soln)

Identification A,B, C: Passes

*Christina Marotta*

03/22/2010 - 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)