



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: R26742

Formula: C₄H₁₁NO₃

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%	99.95%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	165-172°C	170.3°C
pH (5% aq soln)	10-11.5	10.7

OD260 nm (5% aq soln): 0.01

Loss on Drying: 0.0%

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

Residue on Ignition: 0.0%

Heavy Metals (as Pb): <5.0 ppm

Iron (Fe): <0.4 ppm

Assay: 100.1%

Water: 0.1%

APHA Color: <5

Water Insoluble Matter: <0.00%

A280: 0.01 (10% aq soln)

A430: 0.001 (10% aq soln)

A290: 0.03 (40% aq soln)

Identification A,B, C: Passes

Related Substances (GC): 0.05%

Christina Marotta

12/29/2009 - 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)