



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Tris, ultra pure grade_
Catalog Number: 103133_
Lot: R25143_

Formula: C₄H₁₁NO₃

CAS #: 77-86-1

Physical Description: White Crystalline Powder

Formula Weight: 121.14

Storage: Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99.9%	99.95%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	165-175°C	170.8°C
pH (5% aq soln)	10-11.5	10.8
OD260 nm (5% aq soln)	≤0.1	0.01
Loss on Drying	≤1%	0.1%
Solubility (40% aq soln)	Clear, Colorless Solution	Clear, Colorless Solution

Residue on Ignition: 0.00 ppm

Heavy Metals (as Pb): <5.0 ppm

Iron (Fe): <0.3 ppm

Related Substances: 0.05%

Assay: 100.0

Water: 0.1%

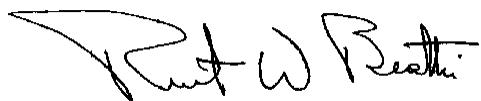
APHA COLOR: <5

Water Insoluble Matter: 0.001%

UV Abs @ 280 nm, 10% Aqueous Solution: 0.01

UV Abs @ 430 nm, 10% Aqueous Solution: 0.001

UV Abs @ 290 nm, 40% Aqueous Solution: 0.03



12/03/2008 - 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)