

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Bis-Tris_

Catalog Number: 101038_

Lot: 1470K_

Formula: $C_8H_{19}NO_5$

CAS #: 6976-37-0

Physical Description: White Powder

Formula Weight: 209.2

Storage: Room Temperature

Test	Specification	Result
Identity test	Passes	Passes
Purity	$\geq 99\%$	99.4%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	101 - 106°C	103.8°C
pH (1% aq soln)	9 - 10	9.8
Moisture	$\leq 1\%$	0.02%

Solubility (1 M aq soln): Clear and Complete

A280 nm (1 M aq soln): 0.6

Residue in Ignition: <0.1 %

pKa @ 20°C: 6.64

Heavy Metals (as Pb): <0.0005%

Chloride: <0.0005%

Iron: 0.0005%

08/22/2008 - 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)