

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Tris hydrochloride

Catalog Number: 103130

Lot: 1149A

Formula: $C_4H_{11}NO_3 \cdot HCl$

CAS #: 1185-53-1

Physical Description: white crystalline powder

Formula Weight: 157.6

Storage: room temperature

Test	Specification	Results
Purity	$\geq 99\%$	99.50%
Melting point	145-155°C	147.7-152.1°C
FTIR	Conforms to standard	Conforms to standard
UV/VIS (5%aqueous solution)	OD 260 < 0.1 OD 280 < 0.1	0.037 0.031
pH (5% aqueous solution)	4.2-4.8	4.60
Solubility (5% aqueous solution)	Clear, colorless	Clear, colorless
Loss on drying	record result	0.14%

02/18/1988 - Joseph Dietz, Ph.D.

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)