

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

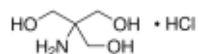
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Trizma® hydrochloride – BioXtra, pH 3.5–5.0 (0.5 M in H₂O), ≥99.0% (titration)

Product Number: T6666
CAS Number: 1185-53-1
MDL: MFCD00012590
Formula: C₄H₁₁NO₃ · HCl
Formula Weight: 157.60 g/mol



TEST	Specification
Infrared spectrum	Conforms to Structure
Titration with NaOH	≥ 99.0 %
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
0.5 M in H ₂ O	
Loss on Drying	≤ 0.2 %
110 deg C	
Residue on ignition (Ash)	≤ 0.2 %
SO ₄ , 900 deg C	
Insoluble Matter	Pass Filter Test
Sulfate (SO ₄)	< = 0.005%
Aluminum (AL)	≤ 0.0005 %
Bismuth (Bi)	≤ 0.0005 %
Lead (Pb)	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt (Co)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Strontium (Sr)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Barium (Ba)	≤ 0.0005 %
Potassium (K)	≤ 0.005 %
Arsenic (As)	< = 0.0001%

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

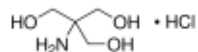
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Trizma® hydrochloride - BioXtra, pH 3.5-5.0 (0.5 M in H₂O), ≥99.0% (titration)

Product Number: T6666
CAS Number: 1185-53-1
MDL: MFCD00012590
Formula: C₄H₁₁NO₃ · HCl
Formula Weight: 157.60 g/mol



TEST	Specification
Calcium (Ca)	≤ 0.001 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Manganese (Mn)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Lithium (Li)	≤ 0.0005 %
Nickel (Ni)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
A260 UV Absorption 0.5 M in H ₂ O	≤ 0.015
A280 UV Absorption 0.5 M in H ₂ O	≤ 0.010
pH 0.5 M in H ₂ O	3.5 - 5.0
Recommended Retest Period 6 years	-----

Specification: PRD.6.ZQ5.10000010401

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.