

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Trizma® base - BioXtra, pH 10.5-12.0 (1 M in H₂O), ≥99.9% (titration)

Product Number: **T6791**
 CAS Number: 77-86-1
 MDL: MFCD00004679
 Formula: C₄H₁₁NO₃
 Formula Weight: 121.14 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Turbidity	≤ 10.0 NTU
1M in H ₂ O at 20 deg C	
Infrared spectrum	Conforms to Structure
Loss on Drying	≤ 0.5 %
110 deg C	
Residue on ignition (Ash)	≤ 0.01 %
SO ₄ , 900 deg C	
Insoluble matter	≤ 0.005 %
Arsenic (As)	< = 0.0001%
Chloride (Cl)	≤ 0.005 %
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 %

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.



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Calcium (Ca)	≤ 0.001 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Manganese (Mn)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Lithium (Li)	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Nickel (Ni)	≤ 0.0005 %
A260 UV Absorption (1 M in H ₂ O)	≤ 0.025
A280 UV Absorption (1 M in H ₂ O)	≤ 0.020
pH 1 M in water, at 20 Deg C	10.5 - 12.0
Titration with H ₂ SO ₄ (Anhydrous)	≥ 99.9 %
Recommended Retest Period 6 years	-----

Specification: PRD.7.ZQ5.10000005178

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