

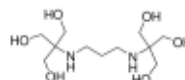
3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
BIS-TRIS propane – BioXtra, ≥99.0% (titration)

Product Number: **B9410**
 CAS Number: 64431-96-5
 MDL: MFCD00004689
 Formula: C₁₁H₂₆N₂O₆
 Formula Weight: 282.33 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1 M in H ₂ O	
Ammonia (NH ₄)	≤ 0.05 %
Residue on ignition (Ash)	≤ 0.1 %
Chloride (Cl)	≤ 0.05 %
Sulfate (SO ₄)	≤ 0.05 %
Insoluble matter	≤ 0.1 %
Aluminum (Al)	≤ 0.0005 %
Phosphorus (P)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Calcium (Ca)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Magnesium (Mg)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Potassium (K)	≤ 0.005 %
pH	10.0 - 12.0
C = 1 M	
A ₂₆₀ UV Absorption	≤ 0.1
C = 1 M in H ₂ O	

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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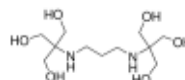
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TEST	Specification
A280 UV Absorption C = 1 M in H ₂ O	≤ 0.05
Water (by Karl Fischer)	≤ 0.2 %
Infrared spectrum	Conforms to Structure
¹ H NMR Impurity Tris (Hydroxymethyl) Aminomethane	≤ 0.5 %
Titration with H ₂ SO ₄ (anhydrous)	≥ 99.0 %
Recommended Retest Period 6 years	-----

Specification: PRD.1.ZQ5.10000016967

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