

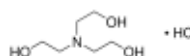
3050 Spruce Street, Saint Louis, MO 63103, USA

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## Product Specification

Product Name:  
Triethanolamine hydrochloride - BioXtra, ≥99.5% (titration)

Product Number: **T9534**  
CAS Number: 637-39-8  
MDL: MFCD00012596  
Formula: C<sub>6</sub>H<sub>15</sub>NO<sub>3</sub> · HCl  
Formula Weight: 185.65 g/mol



TEST	Specification
Water (by Karl Fischer)	≤ 0.2 %
Titration with NaOH	≥ 99.5 %
Anhydrous	
Infrared spectrum	Conforms to Structure
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1M, water	
Ammonia (NH <sub>3</sub> )	≤ 0.05 %
Residue on ignition (Ash)	≤ 0.1 %
Insoluble matter	≤ 0.1 %
Sulfate (SO <sub>4</sub> )	≤ 0.05 %
Aluminum (AL)	≤ 0.0005 %
Phosphorus (P)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Potassium (K)	≤ 0.005 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 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](http://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.

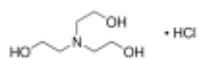
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TEST	Specification
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Recommended Retest Period	-----
5 years	

Specification: PRD.1.ZQ5.1000063389

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