

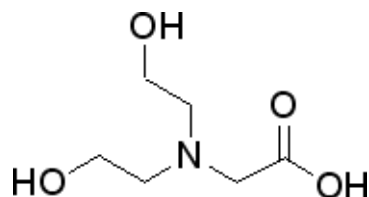
3050 Spruce Street, Saint Louis, MO 63103, USA

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## Product Specification

Product Name:  
BICINE - BioXtra, ≥99% (titration)

Product Number: **B8660**  
 CAS Number: 150-25-4  
 MDL: MFCD00004295  
 Formula: C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>  
 Formula Weight: 163.17 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Complete
1 M in H <sub>2</sub> O	
Water (by Karl Fischer)	≤ 0.2 %
Ammonia (NH <sub>4</sub> )	≤ 0.05 %
Residue on ignition (Ash)	≤ 0.1 %
Infrared spectrum	Conforms to Structure
Chloride Content	≤ 0.05 %
Sulfate (SO <sub>4</sub> )	≤ 0.05 %
Insoluble matter	≤ 0.1 %
Purity (Titr. by NaOH) anhyd.	≥ 99 %
Aluminum (Al)	≤ 0.0005 %
Lead (Pb)	≤ 0.001 %
Phosphorus (P)	≤ 0.005 %
Calcium (Ca)	≤ 0.001 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Copper (Cu)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Zinc (Zn)	≤ 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](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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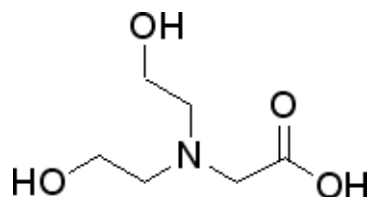
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TEST	Specification
pH 1 M in H <sub>2</sub> O	4.0 - 6.0
A260 UV Absorption 1 M in H <sub>2</sub> O	≤ 0.05
A280 UV Absorption 1 M in H <sub>2</sub> O	≤ 0.05
Recommended Retest Period 2 years	-----

Specification: PRD.0.ZQ5.10000033436

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