

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

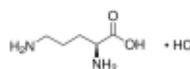
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
L-Ornithine monohydrochloride - BioXtra, ≥99%

Product Number: O4386
CAS Number: 3184-13-2
MDL: MFCD00064562
Formula: C₅H₁₂N₂O₂ · HCl
Formula Weight: 168.62 g/mol



TEST

Specification

1H NMR Spectrum	Conforms to Structure
Purity (HPLC)	≥ 99 %
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Very Faint Yellow
Solubility (Turbidity)	Clear
at 1 M in H ₂ O at 20 deg C	
Residue on ignition (Ash)	≤ 0.1 %
Insoluble matter	≤ 0.1 %
Sulfate	Pass
< or = 0.05%	
Aluminum (AL)	≤ 0.0005 %
Phosphorus (P)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Iron (Fe)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.005 %
Magnesium (Mg)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Potassium (K)	≤ 0.005 %
Ammonia (NH ₄)	≤ 0.05 %

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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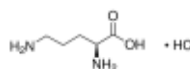
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Specification: PRD.4.ZQ5.10000076755

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