

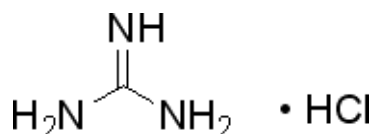
3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
Guanidine hydrochloride – BioXtra, ≥99.5% (titration)

Product Number: **G7153**
CAS Number: 50-01-1
MDL: MFCD00013026
Formula: CH₅N₃ · HCl
Formula Weight: 95.53 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
6 M in H ₂ O	
Loss on Drying	≤ 0.05 %
HV, 20 deg C	
Residue on ignition (Ash)	≤ 0.05 %
Insoluble Matter	Pass
Passes filter test	
Sulfate	≤ 0.005 %
% Arsenic	≤ 0.0001
Sodium (Na)	≤ 0.005 %
Potassium (K)	≤ 0.005 %
Calcium (Ca)	≤ 0.001 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Manganese (Mn)	≤ 0.0005 %
Iron (Fe)	≤ 0.0005 %
Lithium	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Nickel	≤ 0.0005 %
Aluminum (AL)	≤ 0.0005 %

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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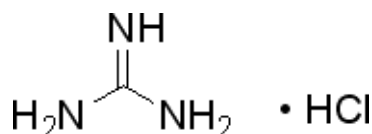
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TEST	Specification
Bismuth (Bi)	≤ 0.0005 %
Lead (Pb)	≤ 0.0005 %
Barium	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt (Co)	≤ 0.0005 %
Strontium (Sr)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Copper (Cu)	≤ 0.0005 %
A260 UV Absorption 6 M in H ₂ O	≤ 0.1
A280 UV Absorption 6 M in H ₂ O	≤ 0.05
pH 6 M in H ₂ O	4.5 - 6.0
% Purity (Titration)	≥ 99.5
Recommended Retest Period 6 years	-----

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