

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

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Product Specification

Product Name:
Sodium chloride - BioXtra, ≥99.5% (AT)

Product Number:	S7653	NaCl
CAS Number:	7647-14-5	
MDL:	MFCD00003477	
Formula:	ClNa	
Formula Weight:	58.44 g/mol	

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
powder to fine crystals with lumps	
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1 M in H ₂ O	
Bromide (Br)	Pass
< / = 0.01%	
Iodide (I)	Pass
< / = 0.001%	
Insoluble Matter	Pass
Passes filter test	
Sulfate (SO ₄)	≤ 0.05 %
Potassium (K)	≤ 0.005 %
Phosphate (PO ₄)	≤ 0.0005 %
Aluminum (Al)	≤ 0.0005 %
Bismuth (Bi)	≤ 0.0005 %
Lead (Pb)	≤ 0.0005 %
Arsenic (As)	Pass
< / = 0.0001%	
Barium (Ba)	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt (Co)	≤ 0.0005 %
Copper (Cu)	≤ 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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TEST	Specification
Strontium (Sr)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.002 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Manganese (Mn)	≤ 0.0005 %
Iron (Fe)	≤ 0.0001 %
Lithium (Li)	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Nickel (Ni)	≤ 0.0005 %
A260 UV Absorption 1 M in H ₂ O	≤ 0.01
A280 UV Absorption 1 M in H ₂ O	≤ 0.01
pH 1 M in H ₂ O at 20 deg C	5.0 - 8.0
Titration with AgNO ₃	≥ 99.5 %
Recommended Retest Period 6 years	-----

Specification: PRD.2.ZQ5.10000006430

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