

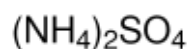
3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
Ammonium sulfate – BioXtra, ≥99.0%

Product Number: **A2939**
CAS Number: 7783-20-2
MDL: MFCD00003391
Formula: H₈N₂O₄S
Formula Weight: 132.14 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1 M in H ₂ O	
Loss on Drying	≤ 1.0 %
110 deg C	
Residue on Ignition	≤ 0.01 %
(SO ₄)	
Insoluble Matter	Pass
Passes filter test	
Chloride (Cl)	Pass
< or = 0.001%	
Nitrate (NO ₃)	Pass
< or = 0.001%	
Phosphate (PO ₄)	Pass
< or = 0.0005%	
Aluminum (Al)	≤ 0.0005 %
Bismuth (Bi)	≤ 0.0005 %
Lead (Pb)	≤ 0.0002 %
Arsenic (As)	Pass
< or = 0.0001%	
Barium	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0001 %
Cobalt (Co)	≤ 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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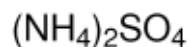
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TEST	Specification
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Copper (Cu)	≤ 0.0002 %
Strontium (Sr)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0001 %
Potassium (K)	≤ 0.005 %
Calcium (Ca)	≤ 0.001 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.0005 %
Manganese (Mn)	≤ 0.0005 %
Iron (Fe)	≤ 0.0002 %
Lithium	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Sodium (Na)	≤ 0.005 %
Nickel	≤ 0.0005 %
A260 UV Absorption 1 M in H ₂ O	≤ 0.037
A280 UV Absorption 1 M in H ₂ O	≤ 0.030
pH 1 M in H ₂ O	5.0 - 6.0
Titration with NaOH	≥ 99.0 %
Recommended Retest Period 5 years	-----

Specification: PRD.2.ZQ5.10000044278

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