

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Ammonium iron(II) sulfate hexahydrate - BioXtra, ≥98%

Product Number: F1543
CAS Number: 7783-85-9
MDL: MFCD00150530
Formula: H8FeN2O8S2 · 6H2O
Formula Weight: 392.14 g/mol



TEST	Specification
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Appearance (Color)	Light Green to Very Dark Green and Faint Blue to Dark Blue and Blue-Green
Appearance (Form)	Powder or Crystals
Solubility (Color)	Faint Blue to Dark Blue and Faint Green to Very Dark Green and Very Faint Blue-Green to Blue-Green
1M solution in dilute sulfuric acid (99 mL of Water and 1 mL sulfuric acid)	
Titration by KMNO4	≥ 98 %
Insoluble matter	≤ 0.01 %
Aluminum (AL)	≤ 0.001 %
Lead (Pb)	≤ 0.001 %
Phosphorus (P)	≤ 0.0005 %
Copper (Cu)	≤ 0.005 %
Zinc (Zn)	≤ 0.001 %
Manganese (Mn)	≤ 0.01 %
Calcium (Ca)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.002 %
Sodium (Na)	≤ 0.005 %
Potassium (K)	≤ 0.005 %

Specification: PRD.1.ZQ5.10000025467

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.