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## Product Specification

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

Product Number: **F1543**  
CAS Number: 7783-85-9  
MDL: MFCD00150530  
Formula:  $\text{H8FeN2O8S2} \cdot 6\text{H}_2\text{O}$   
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
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 KMNO <sub>4</sub>	≥ 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.0.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](http://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.