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Product Specification

Product Name:
Ammonium iron(II) sulfate hexahydrate - ACS reagent, 99%

Product Number: 215406
CAS Number: 7783-85-9
MDL: MFCD00150530
Formula: H8FeN2O8S2 · 6H2O
Formula Weight: 392.14 g/mol

(NH₄)₂Fe(SO₄)₂ · 6H₂O

TEST	Specification
Appearance (Color)	Conforms to Requirements
Light Green, Blue or Blue-Green	
Appearance (Form)	Powder or Crystals
X-Ray Diffraction	Conforms to Structure
Titration by KMNO4	98.5 - 101.5 %
Insoluble matter	≤ 0.01 %
Phosphate (PO4)	≤ 0.003 %
Calcium (Ca)	≤ 0.005 %
Copper (Cu)	≤ 0.003 %
Magnesium (Mg)	≤ 0.002 %
Manganese (Mn)	≤ 0.01 %
Potassium (K)	≤ 0.002 %
Sodium (Na)	≤ 0.02 %
Zinc (Zn)	≤ 0.003 %
Iron (Fe)	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000028399

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.