

Certificate of Analysis

Product Name:

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

Product Number: 215406
Batch Number: MKCS3574
 Brand: SIGALD
 CAS Number: 7783-85-9
 MDL Number: MFCD00150530
 Formula: $\text{H8FeN2O8S2} \cdot 6\text{H2O}$
 Formula Weight: 392.14 g/mol
 Quality Release Date: 29 SEP 2022



Test	Specification	Result
Appearance (Color) Light Green, Blue or Blue-Green	Conforms to Requirements	Blue-Green
Appearance (Form)	Powder or Crystals	Crystals
X-Ray Diffraction	Conforms to Structure	Conforms
Titration by KMNO4	98.5 - 101.5 %	100.6 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Phosphate (PO4)	≤ 0.003 %	< 0.003 %
Calcium (Ca)	≤ 0.005 %	< 0.001 %
Copper (Cu)	≤ 0.003 %	< 0.001 %
Magnesium (Mg)	≤ 0.002 %	< 0.001 %
Manganese (Mn)	≤ 0.01 %	< 0.01 %
Potassium (K)	≤ 0.002 %	< 0.002 %
Sodium (Na)	≤ 0.02 %	< 0.01 %
Zinc (Zn)	≤ 0.003 %	< 0.001 %
Iron (Fe)	≤ 0.01 %	< 0.01 %
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director
 Quality Control
 Milwaukee, WI US

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.

