

3050 Spruce Street, Saint Louis, MO 63103, USA

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## Certificate of Analysis

Product Name:

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

<b>Product Number:</b>	<b>F1543</b>	(NH <sub>4</sub> ) <sub>2</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> · 6H <sub>2</sub> O
<b>Batch Number:</b>	<b>SLCC3345</b>	
Brand:	SIAL	
CAS Number:	7783-85-9	
MDL Number:	MFCD00150530	
Formula:	H <sub>8</sub> FeN <sub>2</sub> O <sub>8</sub> S <sub>2</sub> · 6H <sub>2</sub> O	
Formula Weight:	392.14 g/mol	
Quality Release Date:	17 APR 2019	

Test	Specification	Result
Appearance (Color)	Light Green to Very Dark Green and Faint Blue to Dark Blue and Blue-Green	Blue-Green
Appearance (Form)	Powder	Powder
Solubility (Color) 1M solution in dilute sulfuric acid (99 mL of Water and 1 mL sulfuric acid)	Faint Blue to Dark Blue and Faint Green to Very Dark Green and Very Faint Blue-Green to Blue-Green	Light Blue-Green
Insoluble Matter	≤ 0.01 %	0.00 %
Aluminum (Al)	≤ 0.001 %	< 0.001 %
Calcium (Ca)	≤ 0.0005 %	< 0.0005 %
Copper (Cu)	≤ 0.005 %	< 0.001 %
Lead (Pb)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 0.002 %	< 0.002 %
Manganese (Mn)	≤ 0.01 %	< 0.00 %
Phosphorus (P)	≤ 0.0005 %	< 0.0005 %
Sodium (Na)	≤ 0.005 %	< 0.005 %
Zinc (Zn)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	< 0.005 %
Titration by KMNO <sub>4</sub>	≥ 98 %	100 %

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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Product Number: F1543  
Batch Number: SLCC3345



Brian Dulle, Supervisor  
Quality Assurance  
St. Louis, Missouri US

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