

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Iron(II) sulfate heptahydrate - ACS reagent, ≥99.0%

Product Number: 215422
Batch Number: MKBW2680V
Brand: SIAL
CAS Number: 7782-63-0
MDL Number: MFCD00149719
Formula: FeO₄S · 7H₂O
Formula Weight: 278.01 g/mol
Quality Release Date: 07 AUG 2015
Recommended Retest Date: JUL 2020



Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Light Blue
Light Blue or Blue-Green or Green		
Appearance (Form)	Powder or Crystals	Crystals
Titration by KMNO ₄	≥ 99.0 %	101.2 %
ICP Major Analysis	Confirmed	Conforms
Confirms Fe and S Components		
Insoluble Matter	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.001 %	< 0.001 %
Copper (Cu)	≤ 0.005 %	< 0.005 %
Iron (Fe)	≤ 0.1 %	< 0.1 %
Ferric Iron (Fe ₃)		
Manganese (Mn)	≤ 0.05 %	0.03 %
Phosphate (PO ₄)	≤ 0.001 %	< 0.001 %
Zinc (Zn)	≤ 0.005 %	0.001 %
Calcium (Ca)	≤ 0.005 %	< 0.005 %
Magnesium (Mg)	≤ 0.002 %	< 0.002 %
Potassium (K)	≤ 0.002 %	< 0.002 %
Sodium (Na)	≤ 0.02 %	< 0.02 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
5 Years		

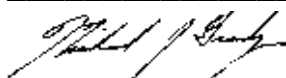
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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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Michael Grady, Manager
Quality Control
Milwaukee, WI US

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