

## Certificate of Analysis

Product Name:

IRON(II) SULFATE HEPTAHYDRATE, 99+%, &amp;



**Product Number:** 215422  
**Batch Number:** MKCN7636  
**Brand:** SIGALD  
**CAS Number:** 7782-63-0  
**MDL Number:** MFCD00149719  
**Formula:** FeO4S · 7H2O  
**Formula Weight:** 278.01 g/mol  
**Quality Release Date:** 13 JAN 2021  
**Recommended Retest Date:** DEC 2025

Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Light Blue-Green
Light Blue or Blue-Green or Green		
Appearance (Form)	Powder or Crystals	Crystals
Titration by KMNO4	≥ 99.0 %	99.9 %
ICP Major Analysis	Confirmed	Confirmed
Confirms Fe and S Components		
Insoluble Matter	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.001 %	< 0.001 %
Copper (Cu)	≤ 0.005 %	< 0.001 %
Iron (Fe)	≤ 0.1 %	< 0.1 %
Ferric Iron (Fe3)		
Manganese (Mn)	≤ 0.05 %	0.04 %
Phosphate (PO4)	≤ 0.001 %	< 0.001 %
Zinc (Zn)	≤ 0.005 %	< 0.002 %
Calcium (Ca)	≤ 0.005 %	< 0.001 %
Magnesium (Mg)	≤ 0.002 %	0.001 %
Potassium (K)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.02 %	< 0.01 %
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](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.



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Larry Coers, Director  
Quality Control  
Milwaukee, WI US

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