

Certificate of Analysis

Product Name : Iron(II) sulfate heptahydrate suitable for plant cell culture, ≥99%
Product Number : F8263-1KG
Batch Number : 0000395407
Source Batch : 0000368076
CAS Number : 7782-63-0
MDL Number : MFCD00149719
Molecular Formula : $\text{FeO}_4\text{S} \cdot 7\text{H}_2\text{O}$
Formula Weight : 278.01 g/mol
Recommended Retest Date : Sep 2026
Quality Release Date : 09 Sep 2024



Test	Specification	Result
Appearance (Color)	Faint Blue to Blue to Green	Faint Green
Appearance (Form)	Powder	Powder
Solubility (Color)	Light Yellow and Light Blue-Green	Light Blue-Green
Solubility (Turbidity)	Clear to Hazy	Clear
100 mg/mL, H ₂ O		
Titration with KMnO ₄	≥ 99 %	100 %
Plant Cell Culture Test	Pass	Pass



Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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