

## Certificate of Analysis

Date of Testing: 2023-09-12 10:03:15  
 Date of Next Testing: 2026-09-11 10:03:15  
 Product Name: **Iron(III) chloride hexahydrate**  
 CAS Number: 10025-77-1  
 Specifications & Purity: Premium-Grade Reagents , for Analysis, ACS,Reag. Ph Eur  
 Lot #: I2306516  
 SKU #: **I431123**  
**Analysis:** **269334**  
 Storage Temperature: Store at 2-8°C,Protected from light,Argon charged,Desiccated

Parameter	Limit Values	Result
Assay(Iodometric,FeCl <sub>3</sub> -6H <sub>2</sub> O)	99-102 (%)	100.39000 %
Insoluble matter	0-0.01 (%)	0.00 %
Nitrate(NO <sub>3</sub> )	0-0.01 (%)	0.00000 %
Sulfate(SO <sub>4</sub> )	0-0.01 (%)	0.01000 %
Total phosphorus(as PO <sub>4</sub> )	0-0.01 (%)	0.01000 %
Heavy metals(as Pb)	0-0.005 (%)	0.00 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Copper(Cu)	0-0.003 (%)	0.00 %
Ferrous(Fe <sup>2+</sup> )	0-0.002 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.05 (%)	0.00 %
Zinc(Zn)	0-0.003 (%)	0.00 %
Total Nitrogen	0-0.001 (%)	0.00 %
Appearance(I431123)	Yellow to Yellow-Orange/Brown Chunk(s)	Yellow to Yellow-Orange/Brown Chunk(s)
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Free chlorine	passes test	Passes test
Acidic substances	passes test	Passes test



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager