

Certificate of Analysis

Date of Testing: 2024-11-04 17:24:25

Date of Next Testing: 2027-11-04 17:24:25

Product Name: **Iron(III) chloride hexahydrate**

CAS Number: 10025-77-1

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure

Lot #: J2425211

SKU #: **I431123**

Version: **1**

Analysis #: **269334**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged, Desiccated

Parameter	Limit Values	Result
Assay(Iodometric, FeCl ₃ ·6H ₂ O)	99-102 (%)	100.39000 %
Insoluble matter	0-0.01 (%)	0.00 %
Nitrate(NO ₃)	0-0.01 (%)	0.00000 %
Sulfate(SO ₄)	0-0.01 (%)	0.01000 %
Total phosphorus(as PO ₄)	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 ²⁺)	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