

Certificate of Analysis

Date of Testing: 2024-10-16 11:47:00

Date of Next Testing: 2028-10-15 11:47:00

Product Name: **Iron chloride hexahydrate**

CAS Number: 10025-77-1

Specifications & Purity: Premium-Grade Reagents, ≥99%

Lot #: J2409331

SKU #: **F102739**

Version: **3**

Analysis #: **358277**

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

Parameter	Limit Values	Result
free acid (as HCl)	0-0.1 (%)	0.02 %
Insoluble matter in H ₂ O	0-0.01 (%)	0.00 %
Magnesium(Mg)	0-0.002 (%)	0.00 %
Sodium(Na)	0-0.02 (%)	0.00 %
Copper(Cu)	0-0.005 (%)	0.00 %
(NO ₃)Nitrate	0-0.01 (%)	0.00 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Purity	99-100 (%)	99.97 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.00 %
Zinc(Zn)	0-0.003 (%)	0.00 %
Potassium(K)	0-0.002 (%)	0.00 %
(As)Arsenic	0-0.002 (%)	0.00 %
Manganese(Mn)	0-0.02 (%)	0.00 %
(PO ₄)Phosphate	0-0.1 (%)	0.00 %
Ferrous(Fe ²⁺)	0-0.002 (%)	0.00 %
Appearance (F102739)	Yellow to Yellow-Orange, brown powder, crystal, chunk or Reddish-brown liquid	Yellow to Yellow-Orange, brown powder, crystal, chunk or Reddish-brown liquid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager