

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-11 15:26:37  
Date of Next Testing: 2026-11-10 15:26:37  
Product Name: **Iron chloride hexahydrate**  
CAS Number: 10025-77-1  
Specifications & Purity: ACS  
Lot #: K2202563  
SKU #: **F102742**  
**Analysis: 141535**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged, Desiccated

Parameter	Limit Values	Result
Zinc(Zn)	0-0.003 (%)	0.00 %
Phosphorus compounds(PO4)	0-0.01 (%)	0.01 %
Sodium(Na)	0-0.05 (%)	0.03 %
Insoluble matter in H2O	0-0.01 (%)	0.00 %
Copper(Cu)	0-0.003 (%)	0.00 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Ferrous(Fe <sup>2+</sup> )	0-0.002 (%)	0.00 %
Purity(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	97-102 (%)	99.03 %
(NO <sub>3</sub> )Nitrate	0-0.01 (%)	0.01 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.01 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	≤0.01 (%)	0.00 %
Appearance (F102742)	Yellow to Yellow-Orange/Brown Chunk(s)	Yellow to Yellow-Orange/Brown Chunk(s)
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager