

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-17 09:36:11  
 Date of Next Testing: 2030-04-16 09:36:11  
 Product Name: **Iron chloride hexahydrate**  
 CAS Number: 10025-77-1  
 Specifications & Purity: ACS  
 Lot #: D2608342  
 SKU #: **F102742**  
 Version: **1**  
 Analysis #: **672612**  
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged, Desiccated

| Parameter                    | Limit Values                           | Result                                 |
|------------------------------|----------------------------------------|----------------------------------------|
| Zinc(Zn)                     | 0-0.003 (%)                            | 0.00000 %                              |
| Phosphorus compounds(PO4)    | 0-0.01 (%)                             | 0.00500 %                              |
| Sodium(Na)                   | 0-0.05 (%)                             | 0.01660 %                              |
| Insoluble matter in H2O      | 0-0.01 (%)                             | 0.00000 %                              |
| Copper(Cu)                   | 0-0.003 (%)                            | 0.00000 %                              |
| Calcium(Ca)                  | 0-0.01 (%)                             | 0.00220 %                              |
| Ferrous(Fe2+)                | 0-0.002 (%)                            | 0.00200 %                              |
| Purity(Titration by Na2S2O3) | 97-102 (%)                             | 98.98000 %                             |
| (NO3)Nitrate                 | 0-0.01 (%)                             | 0.00600 %                              |
| Magnesium(Mg)                | 0-0.005 (%)                            | 0.00000 %                              |
| Sulfate(SO42-)               | ≤0.01 (%)                              | 0.00130 %                              |
| Potassium(K)                 | 0-0.005 (%)                            | 0.00500 %                              |
| 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                  |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager