

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-29 08:50:45

Date of Next Testing: 2029-10-28 08:50:45

Product Name: **Iron chloride hexahydrate**

CAS Number: 10025-77-1

Specifications & Purity:  $\geq 98\%$

Lot #: J2524624

SKU #: **F419646**

Version: **2**

Analysis #: **592901**

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

| Parameter                                                          | Limit Values                                                           | Result                                                                 |
|--------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Assay(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 98-102.5 (%)                                                           | 99.94000 %                                                             |
| Appearance(F419646)                                                | Faint Yellow to Very Dark Yellow ,Yellow-Brown and Yellow-Orange chunk | Faint Yellow to Very Dark Yellow ,Yellow-Brown and Yellow-Orange chunk |
| ICP: Confirms Iron Component                                       | Confirmed                                                              | Confirmed                                                              |
| Solubility(c=10g/50ml; H <sub>2</sub> O:HCL (49:1))                | Clear to Hazy                                                          | Clear to Hazy                                                          |
| X-Ray Diffraction                                                  | Conforms to Structure                                                  | Conforms to Structure                                                  |



John Su  
QA & QC Manager