

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-26 15:49:30

Date of Next Testing: 2027-05-26 15:49:30

Product Name: **Iron chloride**

CAS Number: 7705-08-0

Specifications & Purity:  $\geq 99.9\%$  metals basis

Lot #: E2522359

SKU #: **I112064**

Version: **0**

Analysis #: **510035**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                       | Limit Values                                    | Result                                          |
|-----------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Water by Karl Fischer                                           | 0-1 (%)                                         | 0.20680 %                                       |
| Purity(Based On Trace Metals Analysis)                          | 99.9-100 (%)                                    | 99.90100 %                                      |
| Trace Metal Analysis                                            | 0-2000 (ppm)                                    | 990.00000 ppm                                   |
| Fe(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 33.9-34.9 (%)                                   | 33.91000 %                                      |
| Appearance (I112064)                                            | Dark green or Brown to black powder or crystals | Dark green or Brown to black powder or crystals |
| ICP: Confirms Iron Component                                    | Confirmed                                       | Confirmed                                       |
| Solubility in HCL , Brown to Black,Clear,50mg/ml                | pass                                            | Pass                                            |
| X-Ray Diffraction                                               | Conforms to Structure                           | Conforms to Structure                           |



John Su  
QA & QC Manager