

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-20 15:34:55

Date of Next Testing: 2027-10-19 15:34:55

Product Name: **Iron nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: PrimorTrace™, ≥99.999% metals basis

Lot #: J2318393

SKU #: **F100212**

Version: **0**

Analysis #: **288614**

Storage Temperature: Protected from light, Room temperature

| Parameter                                                       | Limit Values                                     | Result                                           |
|-----------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Trace Metal Analysis                                            | 0-20 (ppm)                                       | 17.00000 ppm                                     |
| Loss on drying                                                  | 35.1-45.1 (%)                                    | 41.59000 %                                       |
| Purity(Based On Trace Metals Analysis)                          | 99.999-100 (%)                                   | 99.99910 %                                       |
| Fe(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 13.5-14.2 (%)                                    | 13.92000 %                                       |
| Appearance (F100212)                                            | Off-White to Purple or Violet Powder or Crystals | Off-White to Purple or Violet Powder or Crystals |
| ICP: Confirms Iron Component                                    | Confirmed                                        | Confirmed                                        |
| X-Ray Diffraction                                               | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager