

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2025-07-28 14:12:29  
Date of Next Testing: 2029-07-27 14:12:29  
Product Name: **Iron nitrate nonahydrate**  
CAS Number: 7782-61-8  
Specifications & Purity: ACS, ≥98%  
Lot #: G2523635  
SKU #: **F100210**  
Version: **0**  
Analysis #: **548717**  
Storage Temperature: Argon charged

| Parameter                                                          | Limit Values                            | Result                                  |
|--------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                            | 0-0.01 (%)                              | 0.00000 %                               |
| Magnesium(Mg)                                                      | 0-0.005 (%)                             | 0.00010 %                               |
| Potassium(K)                                                       | 0-0.005 (%)                             | 0.00013 %                               |
| Assay(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 98-102 (%)                              | 99.99840 %                              |
| Chloride (Cl <sup>-</sup> )                                        | 0-5 (ppm)                               | 1.32400 ppm                             |
| Insoluble matter(c = 10 %, Dilute HNO <sub>3</sub> )               | 0-0.005 (%)                             | 0.00060 %                               |
| Sodium(Na)                                                         | 0-0.05 (%)                              | 0.02103 %                               |
| Calcium(Ca)                                                        | 0-0.01 (%)                              | 0.00410 %                               |
| Appearance (F100210)                                               | Off-White to Pale Purple Moist Crystals | Off-White to Pale Purple Moist Crystals |
| Infrared spectrum                                                  | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager