

## Certificate of Analysis

Date of Testing: 2024-04-22 14:08:02

Date of Next Testing: 2028-04-21 14:08:02

Product Name: **Iron nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: reagent grade

Lot #: D2415041

SKU #: **F100208**

**Analysis:** **348941**

Storage Temperature: Argon charged

| Parameter                                                                           | Limit Values              | Result                    |
|-------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Chloride (Cl <sup>-</sup> )                                                         | 0-5 (ppm)                 | 0.00 ppm                  |
| Free acid(HNO <sub>3</sub> )                                                        | 0-0.3 (%)                 | 0.03 %                    |
| Copper(Cu)                                                                          | 0-50 (ppm)                | 0.00 ppm                  |
| Zinc(Zn)                                                                            | 0-10 (ppm)                | 0.00 ppm                  |
| Lead(Pb)                                                                            | 0-10 (ppm)                | 0.00 ppm                  |
| Purity Titration by EDTA                                                            | 98-102 (%)                | 100.00 %                  |
| Calcium(Ca)                                                                         | 0-50 (ppm)                | 0.00 ppm                  |
| Manganese(Mn)                                                                       | 0-0.02 (%)                | 0.00 %                    |
| Sodium(Na)                                                                          | 0-50 (ppm)                | 0.00 ppm                  |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                             | 0-50 (ppm)                | 22.00 ppm                 |
| (As)Arsenic                                                                         | 0-0.5 (ppm)               | 0.03 ppm                  |
| Potassium(K)                                                                        | 0-50 (ppm)                | 7.00 ppm                  |
| Appearance (F100208)                                                                | purple powder or crystals | purple powder or crystals |
| Solubility in H <sub>2</sub> O , clear yellow to orange solution at 100 mg/ml water | pass                      | Pass                      |
| X-Ray Diffraction                                                                   | Conforms to Structure     | Conforms to Structure     |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager