

## Certificate of Analysis

Date of Testing: 2023-03-02 17:56:39

Date of Next Testing: 2027-03-01 17:56:39

Product Name: **Iron nitrate nonahydrate**

CAS Number: 7782-61-8

Specifications & Purity: 99.9% metals basis

Lot #: B2327674

SKU #: **F301950**

**Analysis:** **193596**

Storage Temperature: Argon charged

| Parameter                                                       | Limit Values                                 | Result                                       |
|-----------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(Based On Trace Metals Analysis)                          | 99.9-100 (%)                                 | 99.99%                                       |
| Trace Rare Earth Analysis(by ICP Atomic emission)               | 0-2000 (ppm)                                 | 133.00 ppm                                   |
| Water by Karl Fischer                                           | 35-45 (%)                                    | 37.91%                                       |
| Fe(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 13.4-14.2 (%)                                | 13.47%                                       |
| Appearance (F301950)                                            | Off-white to grey to Purple or Violet Powder | Off-white to grey to Purple or Violet Powder |
| ICP: Confirms Iron Component                                    | Confirmed                                    | Confirmed                                    |
| X-Ray Diffraction                                               | Conforms to Structure                        | Conforms to Structure                        |



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