

## Certificate of Analysis

Date of Testing: 2023-01-30 16:26:10

Date of Next Testing: 2027-01-29 16:26:10

Product Name: **Nickel nitrate hexahydrate**

CAS Number: 13478-00-7

Specifications & Purity: Analytical Reagent, 98%

Lot #: A2312389

SKU #: **N108891**

**Analysis:** **181240**

Storage Temperature: Desiccated

| Parameter                               | Limit Values                                   | Result                                         |
|-----------------------------------------|------------------------------------------------|------------------------------------------------|
| Chloride (Cl-)                          | 0-10 (ppm)                                     | 1.53 ppm                                       |
| Insoluble matter in H <sub>2</sub> O    | 0-0.005 (%)                                    | 0.00 %                                         |
| Copper(Cu)                              | 0-10 (ppm)                                     | 0.00 ppm                                       |
| Assay                                   | 98-100 (%)                                     | 99.99 %                                        |
| Lead(Pb)                                | 0-0.001 (%)                                    | 0.00 %                                         |
| Cobalt(Co)                              | 0-0.01 (%)                                     | 0.00 %                                         |
| Magnesium(Mg)                           | 0-0.01 (%)                                     | 0.00 %                                         |
| Zinc(Zn)                                | 0-0.005 (%)                                    | 0.00 %                                         |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-50 (ppm)                                     | 3.58 ppm                                       |
| Calcium(Ca)                             | 0-0.01 (%)                                     | 0.00 %                                         |
| Iron(Fe)                                | 0-0.0005 (%)                                   | 0.00 %                                         |
| Potassium(K)                            | 0-0.005 (%)                                    | 0.00 %                                         |
| Sodium(Na)                              | 0-0.01 (%)                                     | 0.00 %                                         |
| Appearance (N108891)                    | Green to Green-Blue Powder, Crystals or Chunks | Green to Green-Blue Powder, Crystals or Chunks |
| ICP: Confirms Nickel Component          | Confirmed                                      | Confirmed                                      |
| X-Ray Diffraction                       | Conforms to Structure                          | Conforms to Structure                          |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager