

## Certificate of Analysis

Date of Testing: 2022-09-13 15:38:22  
 Date of Next Testing: 2026-09-12 15:38:22  
 Product Name: **Nickel(II) acetate tetrahydrate**  
 CAS Number: 6018-89-9  
 Specifications & Purity: Analytical Reagent,99.0%  
 Lot #: I2207939  
 SKU #: **N112914**  
**Analysis: 075312**

| Parameter                                       | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Heavy metal (as Pb)                             | 0-0.002 (%)           | 0.00%                 |
| Loss on drying                                  | 25-30 (%)             | 27.80%                |
| Substances not precipitated by ammonium sulfide | 0-0.1 (%)             | 0.09%                 |
| Ni(Gravimetric Analysis)                        | 22.9-24.2 (%)         | 23.61%                |
| Zinc(Zn)  | 0-0.005 (%)           | 0.00%                 |
| Iron(Fe)  | 0-5 (ppm)             | 3.26 ppm              |
| (NO3)Nitrate                                    | 0-0.005 (%)           | 0.00%                 |
| Insoluble matter in H2O                         | 0-0.005 (%)           | 0.00%                 |
| Sulfate(SO42-)                                  | 0-0.005 (%)           | 0.00%                 |
| Chloride (Cl-)                                  | 0-0.001 (%)           | 0.00%                 |
| Cobalt(Co)                                      | 0-0.01 (%)            | 0.01%                 |
| Assay   | 99-100 (%)            | 99.90%                |
| Appearance (N112914)                            | Blue-Green Powder     | Blue-Green Powder     |
| ICP: Confirms Nickel Component                  | Confirmed             | Confirmed             |
| Infrared spectrum                               | Conforms to Structure | Conforms to Structure |



John Su  
 QA & QC Manager