

## Certificate of Analysis

Date of Testing: 2022-10-27 11:38:45  
Date of Next Testing: 2026-10-26 11:38:45  
Product Name: **Nickel carbonate, basic hydrate**  
CAS Number: 12607-70-4  
Specifications & Purity: Analytical Reagent  
Lot #: J2225447  
SKU #: **N105103**  
Analysis: **149093**

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Alkali and Alkaliearth metals(With sulfate plan) | 0-0.4 (%)             | 0.28 %                |
| Cobalt(Co)                                       | 0-0.05 (%)            | 0.03 %                |
| Zinc(Zn)   | 0-0.05 (%)            | 0.02 %                |
| Assay(Ni)  | 44-55 (%)             | 47.57 %               |
| Insoluble matter in HCl                          | 0-0.01 (%)            | 0.01 %                |
| Heavy metal (as Pb)                              | 0-0.005 (%)           | 0.00 %                |
| Iron(Fe)   | 0-0.001 (%)           | 0.00 %                |
| Sulfate(SO42-)                                   | 0-0.01 (%)            | 0.00 %                |
| X-Ray Diffraction                                | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager