

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-10 21:32:47

Date of Next Testing: 2027-02-09 21:32:47

Product Name: **Cobalt carbonate hydrate**

CAS Number: 57454-67-8

Specifications & Purity: CP

Lot #: B2307035

SKU #: **C102101**

Version: **0**

Analysis #: **187679**

Storage Temperature: Room temperature, Desiccated

| Parameter                        | Limit Values          | Result                |
|----------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)                   | 0-0.05 (%)            | 0.02500 %             |
| Zinc(Zn)                         | 0-0.05 (%)            | 0.02500 %             |
| Heavy metal (as Pb)              | 0-0.01 (%)            | 0.00500 %             |
| Alkali and alkalierath metals    | 0-0.75 (%)            | 0.34000 %             |
| Insoluble matter in hydrochloric | 0-0.02 (%)            | 0.01000 %             |
| Iron(Fe)                         | 0-100 (ppm)           | 61.50000 ppm          |
| (NO3)Nitrate                     | 0-0.05 (%)            | 0.02500 %             |
| Nickel(Ni)                       | 0-0.5 (%)             | 0.19000 %             |
| (Pb)Lead                         | 0-0.01 (%)            | 0.00500 %             |
| Co(Complexiometric EDTA)         | 45.5-50.6 (%)         | 50.32000 %            |
| X-Ray Diffraction                | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager