

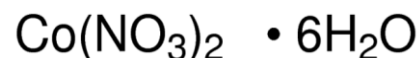
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| Department: Quality Control | Document No: LCPL/QSD/QAD/11 | SOP No.: DB/SOP/QC/11-C046 |
|------------------------------------|-------------------------------------|-----------------------------------|

SPECIFICATION : COBALT(II) NITRATE HEXAHYDRATE AR

| | | | | | |
|---------------------|------------|--------------------|------------|-----------------|------------------|
| Issue date | 26/03/2018 | Review date | 25/03/2023 | Location | All Units |
| Version No.: | 00 | Supersedes | -- | Page No | 1 of 2 |

PRODUCT DETAILS

| | | |
|---|---------------------|---|
| 1 | Molecular Formula | Co(NO ₃) ₂ · 6H ₂ O |
| 2 | Product code | C046 |
| 3 | Molecular weight | 291.03 |
| 4 | CAS No | 10026-22-9 |
| 5 | Risk Statement No | 49-60-8-20-42/43 |
| 6 | Safety Statement No | 53/53-68 |
| 7 | UN No. | UN1477 |



PACKING DETAILS

| | | |
|---|--------------|-----------|
| | Product code | Pack size |
| 1 | C04609 | 250g |
| 2 | C04610 | 500g |

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

| | | |
|----|-----------------------------|--|
| 1 | Description | Red deliquescent crystals |
| 2 | Clarity | 10% solution in water is bright and clear. |
| 3 | Assay | Not less than 99.0% |
| 4 | pH (5% aqueous solution) | Not less than 2.5 |
| 5 | Insoluble matter | Not more than 0.003% |
| 6 | Ammonium (NH ₄) | Not more than 0.05% |
| 7 | Chloride (Cl) | Not more than 0.001% |
| 8 | Sulphate (SO ₄) | Not more than 0.005% |
| 9 | Calcium (Ca) | Not more than 0.005% |
| 10 | Copper (Cu) | Not more than 0.001% |
| 11 | Iron (Fe) | Not more than 0.002% |
| 12 | Lead (Pb) | Not more than 0.001% |
| 13 | Magnesium (Mg) | Not more than 0.002% |
| 14 | Manganese (Mn) | Not more than 0.002% |
| 15 | Nickel (N) | Not more than 0.01% |
| 16 | Potassium (K) | Not more than 0.003% |
| 17 | Sodium (Na) | Not more than 0.015% |
| 18 | Zinc (Zn) | Not more than 0.005% |

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SAFETY SYMBOLS



Harmful /
Irritant



Dangerous for
the environment



Health hazard



Oxidizing