



CERTIFICATE OF ANALYSIS

PRODUCT NAME : CUPRIC NITRATE AR (TRIHYDRATE)

| | | | |
|-------------------------|---|---------------------|---------------------|
| CAS No | : 10031-43-3 | Product code | : 22810 |
| Mol. Formula | : Cu(NO₃)₂.3H₂O | Batch No. | : MCRT-28321 |
| Mol. WT | : 241.60 | Mfd. | : May 2023 |
| Date of analysis | : 18/05/23 | Exp. | : April 2028 |

| S.R | Test | Specification | Observation |
|-----|----------------------------------|--------------------------------------|--------------------------|
| 1 | Description | Blue crystals or crystalline powder. | Blue crystalline powder. |
| 2 | Assay (by iodometry) | 99.5% min. | 99.86% |
| 3 | pH (5% solution) | 2.8 – 4.0 | 3.25 |
| 4 | Water-insoluble matter | 0.003% max | 0.002% |
| 5 | Chloride (Cl) | 0.001% max | <0.001% |
| 6 | Sulphate (SO₄) | 0.0025% max | <0.0025% |
| 7 | Lead (Pb) | 0.001% max | <0.001% |
| 8 | Nickel (Ni) | 0.002% max | <0.002% |
| 9 | Iron (Fe) | 0.005% max | <0.005% |
| 10 | Zinc (Zn) | 0.001% max | <0.001% |
| 11 | Calcium (Ca) | 0.002% max | <0.002% |
| 12 | Magnesium (Mg) | 0.002% max | <0.002% |
| 13 | Sodium (Na) | 0.01% max | <0.01% |
| 14 | Potassium (K) | 0.01% max | <0.01% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Asmita)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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