



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CUPRIC NITRATE AR (TRIHYDRATE)**

<b>CAS No</b>	<b>: 10031-43-3</b>	<b>Product code</b>	<b>: 22810</b>
<b>Mol. Formula</b>	<b>: Cu(NO<sub>3</sub>)<sub>2</sub>.3H<sub>2</sub>O</b>	<b>Batch No.</b>	<b>: MCRT-28321-01</b>
<b>Mol. WT</b>	<b>: 241.60</b>	<b>Mfd.</b>	<b>: Dec. 2023</b>
<b>Date of analysis</b>	<b>: 04/12/23</b>	<b>Exp.</b>	<b>: Nov. 2028</b>

S.R	Test	Specification	Observation
1	<b>Description</b>	Blue crystals or crystalline powder.	Blue crystalline powder.
2	<b>Assay (by iodometry)</b>	99.5% min.	99.84%
3	<b>pH (5% solution)</b>	2.8 – 4.0	3.26
4	<b>Water-insoluble matter</b>	0.003% max	0.002%
5	<b>Chloride (Cl)</b>	0.001% max	<0.001%
6	<b>Sulphate (SO<sub>4</sub>)</b>	0.0025% max	<0.0025%
7	<b>Lead (Pb)</b>	0.001% max	<0.001%
8	<b>Nickel (Ni)</b>	0.002% max	<0.002%
9	<b>Iron (Fe)</b>	0.005% max	<0.005%
10	<b>Zinc (Zn)</b>	0.001% max	<0.001%
11	<b>Calcium (Ca)</b>	0.002% max	<0.002%
12	<b>Magnesium (Mg)</b>	0.002% max	<0.002%
13	<b>Sodium (Na)</b>	0.01% max	<0.01%
14	<b>Potassium (K)</b>	0.01% max	<0.01%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Deepa)**

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

**Note:** Computer generated image requires no sign.

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