

## CERTIFICATE OF ANALYSIS

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

<b>CAS No</b>	: 10031-43-3	<b>Product code</b>	: 22810
<b>Mol. Formula</b>	: Cu(NO <sub>3</sub> ) <sub>2</sub> .3H <sub>2</sub> O	<b>Batch No.</b>	: MCAR-00272
<b>Mol. WT</b>	: 241.60	<b>Mfd.</b>	: June 2024
<b>Date of analysis</b>	: 15/06/24	<b>Exp.</b>	: May 2029

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.	99.85%
3	<b>pH (5% solution)</b>	2.8 – 4.0	3.59
4	<b>Water-insoluble matter</b>	0.003% max	0.001%
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%

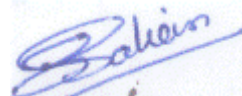
**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Asmita)**

**[QC Incharge]**



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

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