



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : COBALT (II) NITRATE (HEXAHYDRATE) AR**

<b>CAS No</b>	<b>: 10026-22-9</b>	<b>Product code</b>	<b>: 22700</b>
<b>Mol. Formula</b>	<b>: Co(NO<sub>3</sub>)<sub>2</sub>.6H<sub>2</sub>O</b>	<b>Batch No.</b>	<b>: MCAR-00209</b>
<b>Mol. WT</b>	<b>: 291.03</b>	<b>Mfd.</b>	<b>: June 2024</b>
<b>Date of analysis</b>	<b>: 01/06/24</b>	<b>Exp.</b>	<b>: May 2029</b>

S.R	Test	Specification	Observation
1	<b>Description</b>	Red deliquescent crystals.	Red deliquescent crystals.
2	<b>Assay</b>	99.0% min.	99.24%
3	<b>pH ( 5% aq.solution)</b>	2.5 – 5.5	4.38
4	<b>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>	0.005% max.	<0.005%
7	<b>Ammonium (NH<sub>4</sub>)</b>	0.1% max.	<0.1%
8	<b>Calcium (Ca)</b>	0.005% max.	<0.005%
9	<b>Copper (Cu)</b>	0.001% max.	<0.001%
10	<b>Iron (Fe)</b>	0.002% max.	<0.002%
11	<b>Lead (Pb)</b>	0.001% max.	<0.001%
12	<b>Manganese (Mn)</b>	0.002% max.	<0.002%
13	<b>Nickel (Ni)</b>	0.01% max.	<0.01%
14	<b>Potassium (K)</b>	0.003% max.	<0.003%
15	<b>Zinc (Zn)</b>	0.005% max.	<0.005%

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

**[Tested By]**

**CHEMIST  
(Sonu)**

**[QC Incharge]**

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

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