



## 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>: MCRT-26444-01</b>
<b>Mol. WT</b>	<b>: 291.03</b>	<b>Mfd.</b>	<b>: Dec. 2023</b>
<b>Date of analysis</b>	<b>: 22/12/23</b>	<b>Exp.</b>	<b>: Nov. 2028</b>

S.R	Test	Specification	Observation
1	Description	Red deliquescent crystals.	Red deliquescent crystals.
2	Assay	99.0% min.	99.40%
3	pH ( 5% aq.solution)	2.5 – 5.5	3.49
4	Insoluble matter	0.003% max.	0.002%
5	Chloride (Cl)	0.001% max.	<0.001%
6	Sulphate (SO <sub>4</sub> )	0.005% max.	<0.005%
7	Ammonium (NH <sub>4</sub> )	0.1% max.	<0.1%
8	Calcium (Ca)	0.005% max.	<0.005%
9	Copper (Cu)	0.001% max.	<0.001%
10	Iron (Fe)	0.002% max.	<0.002%
11	Lead (Pb)	0.001% max.	<0.001%
12	Manganese (Mn)	0.002% max.	<0.002%
13	Nickel (Ni)	0.01% max.	<0.01%
14	Potassium (K)	0.003% max.	<0.003%
15	Zinc (Zn)	0.005% max.	<0.005%

**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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