



## CERTIFICATE OF ANALYSIS

Product Name : COBALT (II) NITRATE HEXAHYDRATE 98% AR/ACS  
Lot No. : B349812105 Analyzed On : 17-May-2021  
Mol. Formula :  $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$  Mol. Weight : 291.03  
Code No. : 02896 CAS No. : 10026-22-9  
Mfg. Date : May-2021 Exp. Date : Apr-2026  
HAZ. / P.G. : 9 / III UN No. : 3077

Sr.	Tests	Specifications	Results
1	Appearance	Red crystals	Red crystals
2	Assay (complexometric)	98.0-102.0%	101.99%
3	Insoluble matter	Max 0.01%	< 0.01%
4	Chloride (Cl)	Max 0.002%	0.0020%
5	Sulphate ( $\text{SO}_4$ )	Max 0.005%	0.0045%
6	Ammonium ( $\text{NH}_4$ )	Max 0.2%	0.18%
7	Calcium (Ca)	Max 0.005%	0.0033%
8	Copper (Cu)	Max 0.002%	0.00025%
9	Iron (Fe)	Max 0.001%	0.00023%
10	Lead (Pb)	Max 0.002%	< 0.002%
11	Magnesium (Mg)	Max 0.005%	0.0019%
12	Nickel (Ni)	Max 0.15%	0.0031%
13	Potassium (K)	Max 0.01%	0.000034%
14	Sodium (Na)	Max 0.05%	0.00024%
15	Zinc (Zn)	Max 0.01%	0.000086%

**CONCLUSION** -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**

Shashikant Gaikwad  
QC Manager

**LOBA CHEMIE PVT. LTD.**

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LOBA/QC/FM/01

04/10.03.2021