

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Cobalt (II) Nitrate Hexahydrate AR

Mol. Formula : $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

Mol. Weight : 291.03 g/mol

Catalog No. : A-2151

Cas No : 10026-22-9

Batch No. : Sample COA

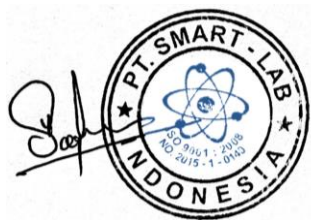
Shelf Life : 60 Months



NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	Red deliquescent crystals	Red deliquescent crystals
2.	Assay (Complexometric)	wt %	98.0 - 102.0	100.239
3.	pH (5% Solution)	—	2.5 - 5.5	5.26
4.	Water-insoluble matter	wt %	max 0.01	0.004
5.	Chloride (Cl)	wt %	max 0.002	< 0.002
6.	Sulphate (SO_4)	wt %	max 0.005	0.002
7.	Calcium (Ca)	wt %	max 0.005	< 0.005
8.	Copper (Cu)	wt %	max 0.002	< 0.002
9.	Iron (Fe)	wt %	max 0.001	< 0.001
10.	Lead (Pb)	wt %	max 0.002	< 0.002
11.	Magnesium (mg)	wt %	max 0.005	< 0.005
12.	Nickel (Ni)	wt %	max 0.15	0.02
13.	Potassium (K)	wt %	max 0.01	< 0.01
14.	Sodium (Na)	wt %	max 0.05	< 0.05
15.	Zinc (Zn)	wt %	max 0.01	< 0.01

Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC