

Department: Quality Control	Document No: LCPL/QSD/QAD/11	SOP No.: DB/SOP/QC/11-C143
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SPECIFICATION : COBALT(II) CHLORIDE HEXAHYDRATE AR

Issue date	26/03/2018	Review date	25/03/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	CoCl ₂ · 6H ₂ O
2	Product code	C143
3	Molecular weight	237.93
4	CAS No	7791-13-1
5	Risk Statement No	49-60-22-42/43-50/53-68
6	Safety Statement No	53-45-60-61
7	UN No.	UN3077



PACKING DETAILS

	Product code	Pack size
1	C14307	100g
2	C14310	500g

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

1	Description	Pink to red slightly deliquescent prismatic crystals.
2	Miscibility	10% solution in water is bright and clear.
3	Assay (iodometry)	Not less than 99.0%
4	Insoluble matter	Not more than 0.01%
5	Nitrate (NO ₃)	Not more than 0.01%
6	Sulphate (SO ₄)	Not more than 0.01%
7	Calcium (Ca)	Not more than 0.005%
8	Copper (Cu)	Not more than 0.002%
9	Heavy metals (Pb)	Not more than 0.002%
10	Iron (Fe)	Not more than 0.005%
11	Magnesium (Mg)	Not more than 0.005%
12	Nickel (Ni)	Not more than 0.01%
13	Potassium (K)	Not more than 0.01%
14	Sodium (Na)	Not more than 0.05%
15	Zinc (Zn)	Not more than 0.03%

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SAFETY SYMBOLS



Harmful /
Irritant



Dangerous for
the environment



Health hazard