

Technical Information

Cobalt Chloride Hexahydrate, Plant Culture Tested

Product Code: PCT1103

Product Information

Product Code	: PCT1103
Product Name	: Cobalt chloride hexahydrate, Plant Culture Tested
Synonym	: Cobalt (II) chloride hexahydrate
Molecular Formula	: $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight	: 237.93
CAS No.	: 7791-13-1

Technical Specification

Appearance	: Ruby red coloured crystals/crystalline powder.
Solubility	: 10% solution in water is bright and clear.
pH (5% in water at 25°C)	: ≥ 3.00
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity ($60 \pm 2\%$), Temperature ($25 \pm 2^\circ\text{C}$), Photoperiod Day: Night in hours (16:8)
Shoot culture	: No structural deformity observed, actively growing shoots, no toxicity to shoots
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus
Calcium (Ca)	: $\leq 0.005\%$
Lead (Pb)	: $\leq 0.005\%$
Iron (Fe)	: $\leq 0.005\%$
Potassium (K)	: $\leq 0.01\%$
Water insoluble matter	: $\leq 0.003\%$
Nitrogen compounds (as N)	: $\leq 0.01\%$
Copper (Cu)	: $\leq 0.002\%$
Sodium (Na)	: $\leq 0.05\%$
Nickel (Ni)	: $\leq 0.1\%$
Zinc (Zn)	: $\leq 0.03\%$
Sulphate (SO_4)	: $\leq 0.01\%$
Minimum assay (Complexometric, ex Co)	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H302-H317-H334-H341-H350i-H360F-H410
Precautionary Statement(s)	: P201-P261-P273-P280-P308+P313-P501
Signal Word	: Danger
Hazard Pictogram(s)	



Risk And Safety Information

R-Phrase(s)	: 49-60-22-42/43-50/53-68
S-Phrase(s)	: 53-45-60-61
WGK	: 3
RTECS	: GG0200000
Storage Temperature(°C)	: Store below 30°C



Plant Culture
Tested



Product Specification

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Transport Information

UN No.	: 3077
Class	: 9
Packaging Group	: III
Marine Pollutant	: Yes
ADR/RID	: 3077 9/PG III
IMDG	: 3077 9/PG III
IATA	: 3077 9/PG III

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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