

Technical Information

Cobalt Nitrate Hexahydrate Plant Culture Tested

Product Code: PCT1120

Product Information

Product Code	: PCT1120
Product Name	: Cobalt Nitrate Hexahydrate, Plant Culture Tested
Molecular Formula	: $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight	: 291.03
CAS No.	: 10026-22-9

Technical Specification

Appearance	: Red to very dark red and red-brown and brown-red crystals or powder.
Solubility	: 10% solution in water is bright and clear.
pH (5 % in water at 25°C)	: ≥ 2.50
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity ($60 \pm 2\%$), Temperature ($25 \pm 2^\circ\text{C}$), Photoperiod Day: Night in hours
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:
Minimum Assay ((Complexometric)	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H272-H302-H317-H334-H341-H350i-H360-H410
Precautionary Statement(s)	: P201-P220-P261-P273-P280-P308+P313
Signal Word	: Danger
Hazard Pictogram(s)	



Risk And Safety Information

R-Phrase(s)	: 8-22-40-43-50/53
S-Phrase(s)	: 17-36/37-60-61
WGK	: 3
RTECS	: QU7355500
Storage Temperature(°C)	: Store below 30°C

Transport Information

UN No.	: 1477
Class	: 5.1
Packaging Group	: 2
Marine Pollutant	: No
ADR/RID	: 1477 5.1/PG 2
IMDG	: 1477 5.1/PG 2
IATA	: 1477 5.1/PG 2



Plant Culture
Tested



Product Specification

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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.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.

Replace Date 12-Dec-2025