

PCT0204 Cyanocobalamin (Vitamin B₁₂), Plant Culture Tested

Product Number Packing

PCT0204 : 1G
PCT0204 : 250MG

Product Information

Product Code : PCT0204
Product Name : Cyanocobalamin, Plant Culture Tested
Synonym : Vitamin B₁₂
Molecular Formula : C₆₃H₈₈CoN₁₄O₁₄P
Molecular Weight : 1355.37
CAS No. : 68-19-9
EC No. : 200-680-0
HS Code : 2936 26 00
Shelf Life : 3 years

Technical Specification

Appearance : Red to brown crystals or powder
Solubility : 33.3 mg soluble in 1 mL of water
Cultural response : Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°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
FTIR (KBr disc) : Matches with the standard pattern
Loss on drying (at 105°C, 2hr) : ≤ 12.0%
Assay (UV, on dry basis) : 97.00 - 102.00%

Risk and Safety Information

WGK : 1
RTECS : GG3750000
Storage Temperature(°C) : Store at 2 - 8°C

Transport Information

Marine Pollutant : No
ADR/RID : Not Dangerous Goods
IMDG : Not Dangerous Goods
IATA : Not Dangerous Goods