

PCT0309 Glutathione, Plant Culture Tested

Product Number Packing

PCT0309	: 1G
PCT0309	: 5G
PCT0309	: 25G

Product Information

Product Code	: PCT0309
Product Name	: Glutathione, Plant Culture Tested
Synonym	: γ -L-Glutamyl-L-cysteinyl-glycine; GSH
Molecular Formula	: $C_{10}H_{17}N_3O_6S$
Molecular Weight	: 307.32
CAS No.	: 70-18-8
EC No.	: 200-725-4
HS Code	: 2903 90 99
Shelf Life	: 4 years

Technical Specification

Appearance	: White crystals or powder
Solubility	: 100 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
Specific rotation (α 20/D)	: -15.5° to -17.5° (c = 4% in water)
Loss on drying (at 105°C, 3 hrs)	: ≤0.5%
Sulphated ash	: ≤0.1%
Assay (Iodimetry)	: 98.0 - 101.0%

Risk and Safety Information

WGK	: 2
RTECS	: MC0556000
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