Technical Information

Glutathione
Plant Culture Tested

Product Code: PCT1309

Product Information

Product Code	:	PCT1309
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

Technical Specification

Appearance	:	White crystals or crystalline powder.
Solubility	:	Soluble in water.
Cultural response	:	Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2ºC), 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.
Specific rotation (α) $^{20}_D$ (c = 4% in water)	:	-15.5° to -17.5°
Loss on drying (at 105°C, 3 hrs)	:	<=0.5%
Sulphated ash	:	<=0.1%
Minimum assay (Iodimetry)	:	98.00 %

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

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.
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