

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 to nearly white crystalline powder.
Solubility	: 2% solution in water is clear and colourless.
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity (60 \pm 2%), Temperature (25 \pm 2 $^{\circ}$ 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.
Specific rotation (α) _D ²⁰ (c = 4% in water)	: -15.5 $^{\circ}$ to -17.5 $^{\circ}$
Loss on drying (at 105 $^{\circ}$ C, 3 hrs)	: \leq 0.5%
Sulphated ash	: \leq 0.1%
Minimum assay (Iodometric)	: 98.00 %

Risk And Safety Information

WGK	: 2
RTECS	: MC0556000
Storage Temperature($^{\circ}$ C)	: Store at 2 - 8 $^{\circ}$ C

Transport Information

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



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.
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Replace date 06-Jan-2026