

PCT0305 L-Cysteine

Product Number Packing

PCT0305	: 100G
PCT0305	: 25G
PCT0305	: 500G

Product Information

Product Code	: PCT0305
Product Name	: L-Cysteine
Molecular Formula	: $C_3H_7NO_2S$
Molecular Weight	: 121.16
CAS No.	: 52-90-4
Shelf Life	: 4 years

Technical Specification

Appearance	: White powder
Solubility	: Soluble in 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
Ammonium (NH ₄)	: ≤0.01%
Heavy metals (as Pb)	: ≤0.001%
Specific rotation [α 20/D]	: +8° to +9° [c = 5, for 1 M/l]
Foreign amino acid	: ≤0.3%
Assay (Iodometry)	: min. 99.00 %

Risk and Safety Information

R-Phrase(s)	: 22
RTECS	: HA1600000
Storage Temperature(°C)	: Store below 30°C
Hazard Symbol(s)	



Transport Information

ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods