

**PCT0306 L-Cystine, Plant Culture Tested****Product Number Packing**

PCT0306	: 25G
PCT0306	: 100G
PCT0306	: 500G
PCT0306	: 1KG

**Product Information**

Product Code	: PCT0306
Product Name	: L-Cystine, Plant Culture Tested
Molecular Formula	: $C_6H_{12}N_2O_4S_2$
Molecular Weight	: 240.30
CAS No.	: 56-89-3
EC No.	: 200-296-3
HS Code	: 2930 90 13
Shelf Life	: 4 years

**Technical Specification**

Appearance	: Colourless or white to off-white crystals or powder
Solubility	: 33.3 mg soluble in 1 mL of dilute hydrochloric acid
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 (c = 2% in 1M HCl)	: -224.0° to -209.0°
Loss on drying (at 105°C, 3 hr)	: ≤ 0.50%
Assay (Iodometry, on dry basis)	: 99.00 - 103.00%

**Risk and Safety Information**

WGK	: 3
Storage Temperature(°C)	: Store below 30°C

**Transport Information**

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