

PCT0314 L-Lysine, Plant Culture Tested

Product Number Packing

PCT0314 : 10G
PCT0314 : 25G

Product Information

Product Code : PCT0314
Product Name : L-Lysine, Plant Culture Tested
Synonym : (S)-2,6-Diaminocaproic acid
Molecular Formula : $C_6H_{14}N_2O_2$
Molecular Weight : 146.19
CAS No. : 56-87-1
EC No. : 200-294-2
HS Code : 2922 41 00
Shelf Life : 4 years

Technical Specification

Appearance : White to yellow crystals or powder or chunks
Solubility : 33.3 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 : +21.20° to +27.20° (c = 2 in 6 N HCl)
Melting range : 210 - 220°C (dec.)
Water (K.F.) : ≤ 12.00%
Assay (NT, anhydrous basis) : 98.00 - 103.00%

Risk and Safety Information

WGK : 1
RTECS : OL5540000
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