

**PCT1101 Ampicillin sodium salt, Plant Culture Tested****Product Number Packing**

PCT1101	: 1G
PCT1101	: 5G
PCT1101	: 25G
PCT1101	: 100G


**Product Information**

Product Code	: PCT1101
Product Name	: Ampicillin sodium salt, Plant Culture Tested
Synonym	: D-(-)- $\alpha$ -Aminobenzylpenicillin sodium salt
Molecular Formula	: $C_{16}H_{18}N_3NaO_4S$
Molecular Weight	: 371.39
CAS No.	: 69-52-3
EC No.	: 200-708-1
HS Code	: 2941 10 00
Shelf Life	: 3 years

**Technical Specification**

Appearance	: White to light yellow crystals or powder or solid
Solubility	: 100 mg soluble in 1 mL of water
pH (10% in water at 20°C)	: 8.0 - 10.0
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
Water (K.F.)	: ≤ 2.0%
Specific rotation [ $\alpha$ 20/D]	: +258° to +287°(c = 0.25% in 0.4% potassium hydrogen phthalate)
Melting range	: ~215°C (dec.)
Assay (HPLC)	: 91.00 - 100.50 %

**GHS Safety Information**

Hazard Statement(s)	: H317-H334
Precautionary Statement(s)	: P261-P280-P342+P311
Signal Word	: Danger
Hazard Pictogram(s)	

**Risk and Safety Information**

R-Phrase(s)	: 42/43
S-Phrase(s)	: 22-36/37-45
WGK	: 2

RTECS : XH8400000  
Storage Temperature(°C) : Store at 2 - 8°C  
Hazard Symbol(s)



## Transport Information

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