

Technical Information

Ampicillin Sodium Salt Plant Culture Tested

Product Code: PCT2101

Product Information

Product Code	: PCT2101
Product Name	: Ampicillin Sodium Salt, Plant Culture Tested
Synonym	: D-(-)- α -Aminobenzylpenicillin sodium salt
Molecular Formula	: $C_{16}H_{18}N_3NaO_4S$
Molecular Weight	: 371.39
CAS No.	: 69-52-3

Technical Specification

Appearance	: White to light yellow crystals or powder or solid.
Solubility	: Soluble in 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 (α) 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)	



GHS08

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

Transport Information

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

Plant Culture
Tested



Product Specification

cdhfinechemical.com

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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