

Technical Information

L-Alanine Plant Culture Tested

Product Code: PCT1301

Product Information

Product Code	: PCT1301
Product Name	: L-Alanine, Plant Culture Tested
Synonym	: 2-Aminopropionic acid
Molecular Formula	: $C_3H_7NO_2$
Molecular Weight	: 89.09
CAS No.	: 56-41-7

Technical Specification

Appearance	: White crystals or crystalline powder.
Solubility	: Soluble in water.
pH (10% in water at 20°C)	: 5.50 - 6.50
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
Chloride (Cl)	: ≤ 0.005%
Calcium (Ca)	: ≤ 0.001%
Loss on drying	: ≤ 0.05%
Lead (Pb)	: ≤ 0.0005%
Residue on ignition	: ≤ 0.1%
Iron (Fe)	: ≤ 0.0005%
Sulphate (SO ₄)	: ≤ 0.005%
Melting range	: 295 - 297°C (dec.)
Minimum assay (NT on dry basis)	: 99.00 %

Risk and Safety Information

WGK	: 1
RTECS	: AY2990000
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



Plant Culture
Tested



Product Specification

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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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