

Technical Information

L-Aspartic Acid Plant Culture Tested

Product Code: PCT1304

Product Information

Product Code	: PCT1304
Product Name	: L-Aspartic Acid, Plant Culture Tested
Molecular Formula	: C ₄ H ₇ NO ₄
Molecular Weight	: 133.10
CAS No.	: 56-84-8

Technical Specification

Appearance	: White to off-white crystals or crystalline powder.
Solubility	: Soluble in sodium hydroxide.
Clarity	: In alkali, it is clear and colourless.
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 shoots to
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus
Specific rotation (α) ²⁰ _D (c = 8% in 6N hydrochloric acid)	: +24.0° to +26.0°
Residue on ignition	: ≤ 0.10%
Loss on drying (at 105°C, 3hrs)	: ≤ 0.50%
Iron (Fe)	: ≤ 0.001%
Chloride (Cl)	: ≤ 0.02%
Sulphate (SO ₄)	: ≤ 0.03%
Heavy metals (as Pb)	: ≤ 0.001%
Minimum assay (NT/NaOH Titration, on dry basis)	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H315-H319-H335
Precautionary Statement(s)	: P261+ P305+P351+P338
Signal Word	: Warning
Hazard Pictogram(s)	



Risk and Safety Information

S-Phrase(s)	: 22-24/25
WGK	: 1
RTECS	: CI9098500
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

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.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.