

## Technical Information

### L-Glutamic Acid Plant Culture Tested

**Product Code: PCT1307**

#### Product Information

Product Code	: PCT1307
Product Name	: L-Glutamic Acid , Plant Culture Tested
Molecular Formula	: C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>
Molecular Weight	: 147.13
CAS No.	: 56-86-0

#### Technical Specification

Appearance	: White powder.
Solubility	: Freely soluble in boiling water. Slightly soluble in cold water. Insoluble in acetic Acid, acetone and alcohol.
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)	: ≤ 0.05%
Heavy metals	: ≤ 0.001%
Minimum Melting point (dec.)	: 190°C
Specific rotation	: +30.0° to +34.0°
Sulphated ash	: ≤ 0.1%
Loss on drying (at 105°C)	: ≤ 0.5%
Arsenic (As)	: ≤ 0.0001%
Content of Nitrogen	: 9.4 - 9.55%
Minimum assay (on dried basis)	: 98.50 %

#### Risk And Safety Information

WGK	: 1
RTECS	: LZ9700000
Storage Temperature(°C)	: Store below 30°C

#### Transport Information

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



Plant Culture  
Tested



## Product Specification

[cdhfinechemical.com](http://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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- Do not use the products if it fails to meet specifications for identity and performance parameters.