

Technical Information

D-Glutamine Plant Culture Tested

Product Code: PCT1324

Product Information

Product Code	: PCT1324
Product Name	: D-Glutamine, Plant Culture Tested
Synonym	: D-2-Aminoglutaramic acid; D-Glutamic acid 5-amide
Molecular Formula	: $C_5H_{10}N_2O_3$
Molecular Weight	: 146.14
CAS No.	: 5959-95-5

Technical Specification

Appearance	: White crystals or powder
Solubility	: 33.3 mg soluble in 1 mL of 1M hydrochloric acid
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
Specific rotation $[\alpha]_{20/D}$ (c = 5% in 5M HCl)	: -35.0° to -30.0°
Minimum assay (NT/NaOH Titration)	: 98.50 %

Risk And Safety Information

WGK	: 1
RTECS	: --
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

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.
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