
L-Glutamic acid, Plant Culture Tested

PCT0307

Product Identifier

CAS No.	:	56-86-0
EC No.	:	200-293-7
Molecular Formula	:	C ₅ H ₉ NO ₄
Molecular Weight	:	147.13
HS Code	:	2922 42 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to off-white crystals or powder or solid
Solubility	:	33.3 mg soluble in 1 mL of dilute hydrochloric acid
FTIR	:	Matches with the standard pattern
Specific rotation	:	+30.50° to +32.50° (c = 10% in 1M HCl, at 20 ±0.5°C)
Loss on drying (at 105°C, 2hr)	:	≤ 0.50%
Assay (NT/NaOH Titration, on dry basis)	:	98.50 - 102.00%
Plant Tissue Culture Test	:	Passes

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1