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## L-Glutamine, Plant Culture Tested

**PCT0308**

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### Product Identifier

CAS No.	:	56-85-9
EC No.	:	200-292-1
Molecular Formula	:	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight	:	146.14
HS Code	:	2924 19 00
Storage	:	Below 30°C
Shelf life	:	4 years

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### Technical Specification

Appearance	:	White to off-white crystals or powder.
Solubility	:	33.3 mg soluble in 1 mL of water
pH (2.5 % in water at 25°C)	:	4.00 - 6.00
FTIR	:	Matches with the standard pattern
Specific rotation	:	+6.30° to +7.30° (c = 4% in water, at 20°C)
Melting range	:	180 - 190°C
Loss on drying (at 105°C, 3 hr)	:	<= 0.30%
Assay (NT, on dry basis/HPLC)	:	99.00 - 101.00%
Plant Tissue Culture Test	:	Passes

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### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	MA2275100
WGK	:	1