
L-Asparagine monohydrate Plant Culture Tested

PCT0303

Product Identifier

CAS No.	:	5794-13-8
EC No.	:	200-735-9
Molecular Formula	:	C ₄ H ₈ N ₂ O ₃ .H ₂ O
Molecular Weight	:	150.13
HS Code	:	2924 19 00
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Colourless to off-white crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of water
pH (2% in water at 25°C)	:	4.00 - 6.00
FTIR	:	Matches with the standard pattern
Specific rotation	:	+33.0° to +36.5 (c = 1% in 6N HCl at 20°C on dry basis)
Loss on drying (at 130°C, 3 hr)	:	10.50 - 12.50%
Assay (NT, on dry basis)	:	99.50 - 101.50%
Plant Tissue Culture Test	:	Passes

Safety Information

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