

L-Cysteine hydrochloride monohydrate

PCT0325

Plant Culture Tested

Product Identifier

CAS No.	:	7048-04-6
EC No.	:	200-157-7
Molecular Formula	:	C ₃ H ₇ NO ₂ S.HCl.H ₂ O
Molecular Weight	:	175.63
HS Code	:	2930 90 40
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to almost white crystals or powder or colorless crystals
Solubility	:	100 mg soluble in 1 mL of water
FTIR	:	Matches with the standard pattern
Specific rotation	:	+5.00 to +7.00° (c = 8% in 1 M HCl at 20°C, dried substance)
Loss on drying	:	8.50 – 12.00% (in vacuum over Phosphorus pentoxide, 20 hours)
Assay (Iodometry, on dry basis)	:	98.00 - 102.00%
Plant Tissue Culture Test	:	Passes

Safety Information

Hazard Pictogram(s)



Signal Word	:	Warning
Hazard Statement(s)	:	H315- H319- H335
Precautionary Statement(s)	:	P261- P280- P312- P321- P403 + P233- P501
UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	3