

## L-Valine, Plant Culture Tested

**PCT0322**

### Product Identifier

CAS No.	:	72-18-4
EC No.	:	200-773-6
Molecular Formula	:	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight	:	117.15
HS Code	:	2922 49 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	White crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of water
pH (5% in water at 25°C)	:	5.50 - 7.00
FTIR	:	Matches with the standard pattern
Specific rotation	:	+26.6° to +28.8° (c = 8% in 6N hydrochloric acid at 25°C)
Loss on drying (at 105°C, 3 hr)	:	<= 0.3%
Assay (NT, on dry basis)	:	99.00 - 102.00%
Plant Tissue Culture Test	:	Passes

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	YV9361000
WGK	:	1