

## L-(-)-Malic acid

**PCT0502**

### Plant Culture Tested

#### Product Identifier

CAS No.	:	97-67-6
EC No.	:	202-601-5
Molecular Formula	:	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>
Molecular Weight	:	134.09
HS Code	:	2917 19 10
Storage	:	Below 30°C
Shelf life	:	4 years

#### Technical Specification

Appearance	:	White to off-white crystals or granules or powder or solid
Solubility	:	Clear solution at 33.3 mg in 1 mL of water
FTIR	:	Matches with the standard pattern
Specific rotation	:	-3.0° to -1.5° (c = 8.5% in water)
Assay (NaOH Titration/GC)	:	96.50 - 103.50%
Plant Tissue Culture Test	:	Passes

#### Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H315- H319- H335
Precautionary Statement(s)	:	P261- P305+P351+P338
UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	3