

## L-Serine (From non-animal source), Cell Culture Tested

**TC113**

### Product Identifier

CAS No.	:	56-45-1
EC No.	:	200-274-3
Molecular Formula	:	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>
Molecular Weight	:	105.09
HS Code	:	2922 50 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	White to off-white crystals or powder or needles
Solubility	:	Clear colorless to faint yellow solution at 5gm in 100ml of water
pH (2.5 % in water at 25°C)	:	5.00 - 6.50
Identification (FTIR)	:	Matches with the standard pattern
Specific rotation	:	+14.0° to +15.6° (c = 10% in 2 N HCl at 20°C)
Chloride (Cl)	:	<= 0.05%
Iron (Fe)	:	<= 0.003%
Sulfate (SO <sub>4</sub> )	:	<= 0.03%
Residue on ignition	:	<= 0.1%
Loss on drying (at 105°C, 3 hr)	:	<= 0.2%
Assay (NT, on dry basis)	:	98.50 - 101.50%
Cell Culture Test	:	Passes

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	VT8100000
WGK	:	1