

# **Product Information**

Revision : 00 Date of Revision : 07.12.2016

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

### TC113

#### **Product Identifier**

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

#### **Technical Specification**

Appagrapag		White to off-white crystals or powder or needles
Appearance	•	while to on-while crystals of powder of 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	:	$+14.0^{\circ}$ to $+15.6^{\circ}$ (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

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