

## L-SERINE

**PRODUCT CODE** 037146

**SYNONYMS** --

**C.I. NO.** --

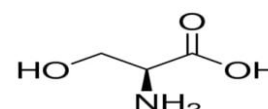
**CASR NO.** (56-45-1)

**ATOMIC OR MOLECULAR FORMULA**

$C_3H_7NO_3$

**ATOMIC OR MOLECULAR WEIGHT**

105.10



**PROPERTIES**

Insoluble in alcohol and ether, optically active.

### PARAMETER

### LIMIT

Description A white or almost white crystalline powder or colourless crystals.

Solubility 10% solution in water is clear and almost colourless .

Identification Passes test

Apparance of solution Passes test.

Assay(Non- 98.5 – 101.0%

Aqu. calc. with ref. to the dried substance.)  
20° +14.0°to +16.0°.

Specific rotation  $[\alpha]_D$   
(10% solution in dil.HCl; on dried material)

Ninhydrin –positive substance Passes test .

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying at 110°C 0.5%

Sulphated ash 0.1%

Ammonium 0.02%

Chloride (Cl) 0.02%

Sulphate (SO<sub>4</sub>) 0.03%

Iron (Fe) 0.001%

Heavy metals (as Pb) 0.001%

**Note(s) : Assay (if applicable) method mentioned.**

### WARNING

**Hazard statements :** Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:** ---

**Disposal:** - Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

IMDG Code : --

UN No. : --

IATA : --

**Hazard Pictogram(s) :**

Replace Date 12.01.2023