

## Technical Information

### L-Serine (From non-animal source)

Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 Testing Specifications

Product Code:TC1113M

### Product Information

|                   |   |
|-------------------|---|
| Product Code      | : TC1113M   |
| Product Name      | : L-Serine (From non-animal source), Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications |
| Molecular Formula | : C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>   |
| Molecular Weight  | : 105.09  |
| CAS No.           | : 56-45-1   |

### Technical Specification

|   |   |
|---|---|
| Appearance                                    | : White to off-white crystals or crystalline powder or needles. |
| Solubility                                    | : 5% solution in water is clear and colorless to faint yellow.  |
| Minimum assay (NT, on dry basis)              | : 98.50%  |
| pH (2.5 % in water at 25°C)                   | : 5.00 - 6.50   |
| Specific rotation (c = 10% in 2N HCl at 20°C) | : +14.0° to +15.6°  |
| Chloride (Cl)                                 | : <= 0.05%  |
| Iron (Fe)                                     | : <= 0.003%   |
| Sulfate (SO <sub>4</sub> )                    | : <= 0.03%  |
| Residue on Ignition                           | : <= 0.1%   |
| Loss on drying (105°C, 3 hr)                  | : <= 0.2%   |
| Cell Culture Test                             | : Passes test   |

### Risk And Safety Information

|                         |                    |
|-------------------------|--------------------|
| WGK                     | : 1                |
| RTECS                   | : VT8100000        |
| Storage Temperature(°C) | : Store below 30°C |

### Transport Information

|                  |                       |
|------------------|-----------------------|
| Marine Pollutant | : No                  |
| ADR/RID          | : Not Dangerous Goods |
| IMDG             | : Not Dangerous Goods |
| IATA             | : Not Dangerous Goods |

### Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.