

## Technical Information

### L-Valine, Plant Culture Tested

Product Code: PCT1322

#### Product Information

|                   |  |
|-------------------|--|
| Product Code      | : PCT1322  |
| Product Name      | : L-Valine, Plant Culture Tested                 |
| Synonym           | : L-2-Amino-3-methylbutanoic acid                |
| Molecular Formula | : C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> |
| Molecular Weight  | : 117.15   |
| CAS No.           | : 72-18-4  |

#### Technical Specification

|                              |   |
|------------------------------|---|
| Appearance                   | : White powder.   |
| Solubility                   | : Soluble in water.   |
| Cultural response            | : Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8) |
| Shoot culture                | : No structural deformity observed, actively growing shoots, no toxicity to shoots  |
| Callus culture               | : No necrotic tissues, actively growing callus, no toxicity to callus   |
| Chloride (Cl)                | : ≤0.005%   |
| Loss on drying               | : ≤0.05%  |
| Residue on ignition          | : ≤0.05%  |
| Iron (Fe)                    | : ≤0.0005%  |
| Sulphate (SO <sub>4</sub> )  | : ≤0.005%   |
| Minimum assay (on dry basis) | : 99.00 %   |

#### Risk And Safety Information

|                         |                    |
|-------------------------|--------------------|
| WGK                     | : 1                |
| RTECS                   | : YV9361000        |
| 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.