### Product Information

**Product Number** | **Packing**
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PCT0322 | 25G
PCT0322 | 100G
PCT0322 | 1KG

#### Product Information

- **Product Code**: PCT0322
- **Product Name**: L-Valine, Plant Culture Tested
- **Synonym**: L-2-Amino-3-methylbutanoic acid
- **Molecular Formula**: \( \text{C}_5\text{H}_{11}\text{NO}_2 \)
- **Molecular Weight**: 117.15
- **CAS No.**: 72-18-4
- **EC No.**: 200-773-6
- **HS Code**: 2922 49 85
- **Shelf Life**: 4 years

#### 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\(_4^2-\))**: <=0.005%
- **Assay (on dry basis)**: min. 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