PCT0319  L-Threonine, Plant Culture Tested

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### Product Information

- **Product Code**: PCT0319
- **Product Name**: L-Threonine, Plant Culture Tested
- **Synonym**: L-2-Amino-3-hydroxybutyric acid
- **Molecular Formula**: C₄H₉NO₃
- **Molecular Weight**: 119.12
- **CAS No.**: 72-19-5
- **EC No.**: 200-774-1
- **HS Code**: 2922 50 00
- **Shelf Life**: 4 years

### Technical Specification

- **Appearance**: White to off-white crystals or powder or glistening flakes
- **Solubility**: 33.3 mg soluble in 1 mL of 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
- **FTIR**: Matches with the standard pattern
- **Specific rotation**: -29.0° to -26.0° (c = 6% in water at 20°C)
- **Assay (NT)**: 99.00 - 102.00%

### Risk and Safety Information

- **WGK**: 1
- **RTECS**: XO8590000
- **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