PCT0609  β-Cyclodextrin

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<td>PCT0609</td>
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Product Information

- **Product Code**: PCT0609
- **Product Name**: β-Cyclodextrin
- **Synonym**: Caraway; Cycloheptaamylose; Cyclomaltoheptaose; Schardinger â-Dextrin
- **Molecular Formula**: C_{42}H_{70}O_{35}
- **Molecular Weight**: 1134.98
- **CAS No.**: 7585-39-9
- **EC No.**: 231-493-2
- **HS Code**: 2940 00 00
- **Shelf Life**: 4 years

Technical Specification

- **Appearance**: White solid or crystals or powder
- **Solubility**: 10 mg soluble in 1 mL of water
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Specific rotation [α 20/D]**: +159° to +165°(c = 1.5% in water)
- **Cultural response**: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2ºC), 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
- **Assay (HPLC)**: min. 98.00%

GHS Safety Information

- **Hazard Statement(s)**: H332
- **Signal Word**: Warning

Risk and Safety Information

- **WGK**: 2
- **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