PCT1303 Dimethyl sulphoxide (DMSO), Plant Culture Tested

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
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<tbody>
<tr>
<td>PCT1303</td>
<td>100ML</td>
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<tr>
<td>PCT1303</td>
<td>250ML</td>
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</tbody>
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Product Information

- **Product Code**: PCT1303
- **Product Name**: Dimethyl sulphoxide (DMSO), Plant Culture Tested
- **Synonym**: Methyl sulfoxide
- **Molecular Formula**: C₆H₅SO
- **Molecular Weight**: 78.13
- **CAS No.**: 67-68-5
- **EC No.**: 200-664-3
- **HS Code**: 2930 90 99
- **Shelf Life**: 4 years

Technical Specification

- **Appearance**: Colourless very hygroscopic liquid
- **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 (Liquid film)**: Matches with the standard pattern
- **Refractive index (n 20/D)**: 1.477 - 1.480
- **Density (at 25°C)**: 1.05 - 1.15 g/mL
- **Assay (GC)**: min. 99.50%

Risk and Safety Information

- **WGK**: 1
- **RTECS**: PV6210000
- **Flash Point(°F)**: 188.6 °F
- **Flash Point(°C)**: 87°C
- **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