### Product Information

**Product Number**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCT0205</td>
<td>100G</td>
</tr>
<tr>
<td>PCT0205</td>
<td>10G</td>
</tr>
<tr>
<td>PCT0205</td>
<td>5G</td>
</tr>
</tbody>
</table>

**Product Name:** Folic acid, Plant Culture Tested  
**Synonym:** Vitamin M; Vitamin B₉  
**Molecular Formula:** C₁₉H₁₉N₇O₆  
**Molecular Weight:** 441.40  
**CAS No.:** 59-30-3  
**EC No.:** 200-419-0  
**HS Code:** 2936 29 00  
**Shelf Life:** 3 years

### Technical Specification

- **Appearance:** Yellow to orange crystals or powder  
- **Solubility:** 33.3 mg soluble in 1 mL of dilute sodium hydroxide solution  
- **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 (KBr disc):** Matches with the standard pattern  
- **Water (K.F.):** <=8.50%  
- **Magnesium (Mg):** <=0.0005%  
- **Calcium (Ca):** <=0.001%  
- **Heavy metals (as Pb):** <=0.0005%  
- **Iron (Fe):** <=0.0005%  
- **Cadmium (Cd):** <=0.0005%  
- **Copper (Cu):** <=0.0005%  
- **Manganese (Mn):** <=0.0005%  
- **Assay (HPLC; anhydrous basis):** 98.00 - 102.00 %

### Risk and Safety Information

- **WGK:** 1  
- **RTECS:** LP5425000  
- **Storage Temperature(°C):** Store at 2 - 8°C

### Transport Information

- **Marine Pollutant:** No  
- **ADR/RID:** Not Dangerous Goods
<table>
<thead>
<tr>
<th>IMDG</th>
<th>: Not Dangerous Goods</th>
</tr>
</thead>
<tbody>
<tr>
<td>IATA</td>
<td>: Not Dangerous Goods</td>
</tr>
</tbody>
</table>