Product Information

PCT0501  Citric acid

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<th>Product Number</th>
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<td>PCT0501</td>
<td>500G</td>
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Product Information

- **Product Code**: PCT0501
- **Product Name**: Citric acid
- **Molecular Formula**: $C_6H_8O_7$
- **Molecular Weight**: 192.12
- **CAS No.**: 77-92-9
- **Shelf Life**: 4 years

Technical Specification

- **Appearance**: White crystalline powder
- **Solubility**: Soluble in water
- **Reaction**: Reaction of 1 M aqueous solution at 25°C.
- **pH**: min. 1.00 max. 2.00
- **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)**: <= 0.0005%
- **Calcium (Ca)**: <= 0.002%
- **Arsenic (As)**: <= 0.00001%
- **Lead (Pb)**: <= 0.0001%
- **Iron (Fe)**: <= 0.0001%
- **Sulphated ash**: <= 0.01%
- **Sulphate (SO_4)**: <= 0.002%
- **Copper (Cu)**: <= 0.00005%
- **Assay (Titrimetry)**: min. 99.70 %

Risk and Safety Information

- **R-Phrase(s)**: 41
- **S-Phrase(s)**: 26-39
- **RTECS**: GE7350000
- **Storage Temperature(°C)**: Store below 30°C
- **Hazard Symbol(s)**: 

Transport Information

- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
| IATA           | Not Dangerous Goods |