### PCT0602  D-(+)-Galactose

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
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<tbody>
<tr>
<td>PCT0602</td>
<td>100G</td>
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<tr>
<td>PCT0602</td>
<td>1KG</td>
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<tr>
<td>PCT0602</td>
<td>25G</td>
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</tbody>
</table>

#### Product Information
- **Product Code**: PCT0602
- **Product Name**: D-(+)-Galactose
- **Molecular Formula**: C₆H₁₂O₆
- **Molecular Weight**: 180.16
- **CAS No.**: 59-23-4
- **Shelf Life**: 4 years

#### Technical Specification
- **Appearance**: White crystalline powder
- **Solubility**: Freely soluble in boiling water, slightly soluble in alcohol and insoluble in chloroform and ether
- **Clarity**: 5% w/v solution in boiling water is clear
- **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
- **Calcium (Ca)**: <=0.01%
- **Loss on drying (at 105°C)**: <=0.2%
- **Sulphated ash**: <=0.10%
- **Sulphate (SO₄)**: <=0.02%
- **Assay (on dry basis)**: min. 99.00 %
- **Specific rotation [α] 20/D**: +80 ± 1°

#### Risk and Safety Information
- **WGK**: 3
- **RTECS**: LW5490000
- **Storage Temperature(°C)**: Store below 30°C

#### Transport Information
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods