**Description**

PURAC Powder is the powder form of natural L-Lactic acid which is produced by fermentation from sugar. It consists of lactic acid and calcium lactate. Also the calcium lactate is produced of natural L-Lactic acid.

PURAC Powder is a white powder. It has a characteristic lactic acid flavor and a pure lactic acid taste. Almost all lactic acid is present in free, direct titratable form. PURAC Powder is available in various acid-ratios.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Product</th>
<th>L-lactic acid powder powder</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Assay</strong></td>
<td>Lactic acid</td>
<td>58.0-62.0 %</td>
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<tr>
<td></td>
<td>Calcium lactate</td>
<td>36.0-42.0 %</td>
</tr>
<tr>
<td></td>
<td>Silicates</td>
<td>1.0-3.0 %</td>
</tr>
</tbody>
</table>

**Visual sensory characteristics**

- **Color**: white

**Purity**

- Water content (KF): max. 2.0 %
- Heavy metals: max. 10 ppm
- Iron: max. 10 ppm
- Lead: max. 0.5 ppm
- Arsenic (as As): max. 1 ppm
- Chlorides: max. 10 ppm
- Sulfates: max. 200 ppm
- Reducing substances: passes Fehling test
- Reducing sugars: passes Fehling test

**Microbiology**

- Mesophilic bacteria: max. 1000 counts/g
- Molds: max. 100 counts/g
- Yeasts: max. 100 counts/g

**Physical-chemical properties**

- Sieve analysis max. 710 µm min. 98 %

**Regulatory / Registration**

- **CAS number**
  - (lactic acid): 79-33-4 (general 50-21-5)
  - (calcium lactate): 28305-25-1(general 814-80-2)
  - (silicon dioxide): 7631-86-9
- **EEC Additive number**
  - E270 Lactic acid
  - E327 Calcium lactate
- **GRAS status**
  - 21CFR184.1061/1207
- **Complies with**
  - 231/2012/EC, FCC 1)

**Storage conditions**

Store in a dry, cool place. Keep box and inner bag closed.

1) Individual ingredients each comply with latest FCC and or 231/2012/EC