PURASORB® PL 10

Product data sheet

Description

PURASORB PL 10 is a GMP grade homopolymer of L-lactide with an inherent viscosity midpoint of 1.05 dl/g. It is supplied in the form of white to light tan granules.

PURASORB PL 10 is primarily used for medical device applications and is suitable for all commonly used polymer processing techniques.

Specification

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>visual</td>
<td>white to light tan granules</td>
</tr>
<tr>
<td>Identification</td>
<td>FTIR</td>
<td>conforms to reference</td>
</tr>
<tr>
<td>Inherent viscosity</td>
<td>CHCl3, 25°C, 0.1 g/dl</td>
<td>0.9 – 1.2 dl/g</td>
</tr>
<tr>
<td>Residual monomer</td>
<td>GC</td>
<td>max. 0.1 wt. %</td>
</tr>
</tbody>
</table>

For each batch a certificate of analysis is provided, showing the analytical data determined in our quality control laboratory. Additional analytical data can be made available upon request.

Physical-chemical properties

Molecular formula: \((\text{C}_6\text{H}_{12}\text{O}_4)_n\)
Chemical name: poly[(3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione]
CAS Registry number: 33135-50-1

Packaging

PURASORB PL 10 can be supplied in 1 or 5 kg packages. Normal packaging consists of an inner bag of clean room grade PE and an outer bag of aluminum coated polyester-PE laminate. The packed product is shipped in an additional bag of PE and in PE containers for added protection.

Storage & Handling

When stored in the original packaging at low temperatures (-15°C), PURASORB PL 10 keeps its initial properties for five years.

Current stability studies indicate that when stored in the original packaging at room temperature PURASORB PL 10 keeps its initial properties for at least one year.

Allow the material to reach room temperature before opening the packaging. After opening the original packaging PURASORB PL 10 is best stored in an inert atmosphere and at low temperatures (-15°C).