

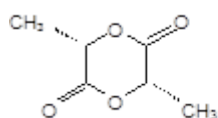
## PURASORB® DL

Rev. No. 5 / March 2015

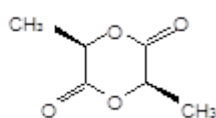
### Product data sheet

#### Description

PURASORB DL is a GMP grade DL-lactide, a racemic mixture of the dimer of L-lactic acid and the dimer of D-lactic acid. DL-lactide is a white, crystalline solid and is commonly used for the synthesis of lactide containing polymers and copolymers.



L-lactide



D-lactide

#### Specification

#### Test

Appearance  
Identification  
Assay  
Melting range  
Free acid  
Water content

#### Method

visual  
FTIR  
GC  
DSC, 10°C/min.  
titration  
titration

#### Specification

white crystalline solid  
conforms to reference  
min. 99.5 wt. %  
124 – 128 °C  
max. 1 meq/kg  
max. 0.02 wt. %

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	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>
Molecular weight	144.13 g/mol
Chemical name	3,6-dimethyl-1,4-dioxane-2,5-dione
CAS Registry number	95-96-5

#### Packaging

PURASORB DL can be supplied in 1, 5 or 10 kg packages. Normal packaging consists of a vacuum-sealed 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

Current stability studies show that when stored in the original packaging at low temperatures (-15°C), PURASORB DL keeps its initial properties for at least three years.

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