Taian Green Industry Co.,Ltd.

Tel: 86-156-6659-0861
E-mail: greenindustry@163.com
Web:www.taiangreenindustry.com

TECHNICAL DATA SHEETS

1. Product name:

D-Lactide

2. Chemical Name:

D-LA;

D-Dilactide;

(3R,6R)-3,6-Dimethyl-1,4-dioxane-2,5-dione;

D-Dilactide;

DD-lactide;

Purasorb D

3. CAS No.:13076-17-0

4. MF:C6H8O4

5. MW:144.13

6. Technical specifications

Item	Specifications	Results
Appearance	White crystalline powder	Conforms
Melting point	96~99℃	97℃
Moisture	≤0.4%	0.16%
Heavy metals	≤10ppm	4ppm
Free acid	≤0.1%	0.06%
Residue on ignition	≤0.05%	0.039%
Assay	≥99.5%	99.7%
Conclusion	The results conforms with enterprise standards	

7. Usage

D-Lactide is a polymerized monomer. It has low acidity and can meet the requirements for the preparation of high molecular weight polylactic acid. At the same time, it has high optical purity, and has good controllability of the crystalline properties of the final polymer. D-Lactide is mainly used for homopolymerization to obtain d-lactic acid. This homopolymer has optical activity, good stereoregularity, a

Tel: 86-156-6659-0861
E-mail: greenindustry@163.com
Web:www.taiangreenindustry.com

certain degree of crystallinity and melting point, and good mechanical strength. Therefore, PLLA is commonly used in medicine to process orthopedic load-bearing bodies such as bone screws.

8. Package

As your requirements