

D-Lactide (PG)



D-Lactide (PG) is the main raw material for the preparation of polylactic acid. D-Lactide (PG) has a low acidity, can meet the requirement of high molecular weight polylactic acid preparation, has high optical purity, and has good controllability on the crystallization performance of the final polymer.

Description

Name	D-lactide
Molecular formula	$C_6H_8O_4$
Molecular weight	144.13
CAS number	13076-17-0

Specification

Properties	D-Lactide (PG)	Method
Appearance	White platelets or powder	
Melting range, °C	90~100	DSC
Assay, %	99	GC
Water content, %	≤ 0.03	Karl Fischer
Free acid, %	≤ 0.06	Titration
Optical purity, % D/(L+D) × 100	≥ 99	HPLC
Heavy metals, ppm	≤ 10	
Tin, ppm	≤ 2	

Packing

Aluminum bottle, net weight 1kg/bottle, or compound foil bag, 5kg/bag or 20kg/bag.

Storage and transportation

Sealed in a cool dry place, temperature ≤ 20°C, relative humidity ≤ 60%.

