

L-Lactide (PG)

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

Description	Name	L-lactide
	Molecular formula	$C_6H_8O_4$
	Molecular weight	144.13
	CAS number	4511-42-6

Specification	Properties	L-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, % L/(L+D) × 100	≥ 99	HPLC
	Heavy metals, ppm	≤ 10	
	Tin, ppm	≤ 2	

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

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

