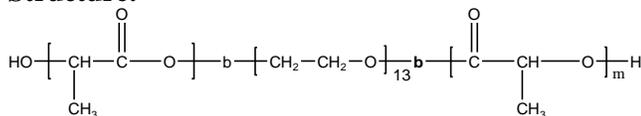


Sample Name:

Poly(D,L-lactide), α,ω -bis(hydroxy)-terminated

Sample #: **P18511B-LA2OH (DL-Form)**

Structure:

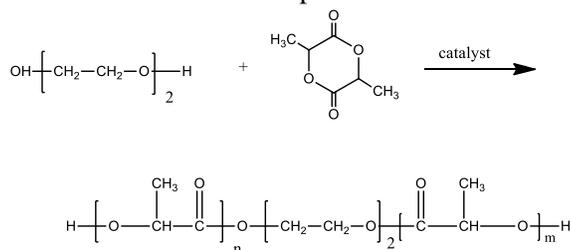


Composition:

$M_n \times 10^3$	PDI
3.7 From (1H NMR)	1.3

Synthesis procedure:

The scheme of reaction is presented below:



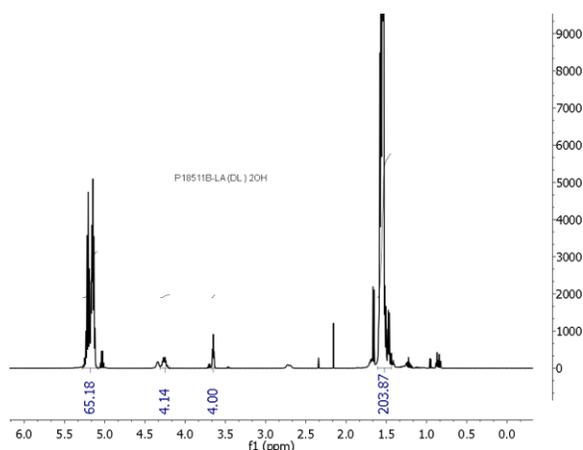
Characterization:

The M_n is calculated from NMR by comparing the peak area of the ethylene glycol protons at about 4.3 ppm with the polylactide protons at about 5.1 ppm and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

The polymer is soluble in toluene, THF, $CHCl_3$ and CH_2Cl_2 . The polymer is insoluble in methanol, hexane and ether.

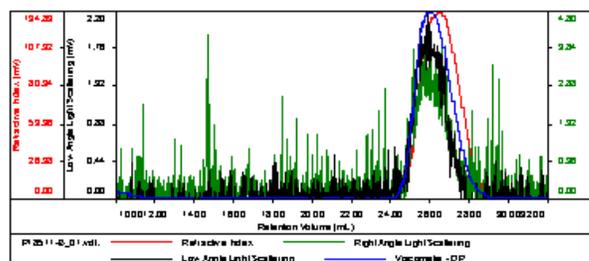
1H NMR spectrum of the polymer:



SEC elugram of the polymer:

Sample ID: P18511B-LA 2OH (DL form)

Concentration (mg/mL)	16.3362
Sample dn/dc (mL/g)	0.0460
Method File	PS80K-Feb25-2014-0000.ucm
Column Set	3x PL 1113-6300
System	System 1



Sample	M_n	M_w	M_p	M_w/M_n	I^*
P18511-B_01.udt	3,741	5,105	4,712	1.364	0.2283

