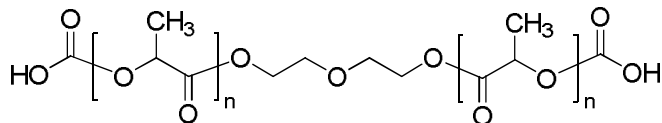


Sample Name:

Poly(DL-lactide), α,ω -bis(hydroxy)-terminated

Sample # **P18511D-LA2OH**

Structure:

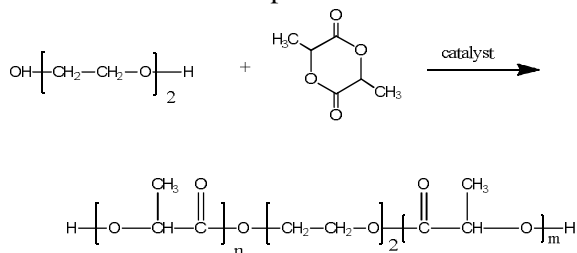


Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
5.3	1.46

Synthesis procedure:

The scheme of reaction is presented below:



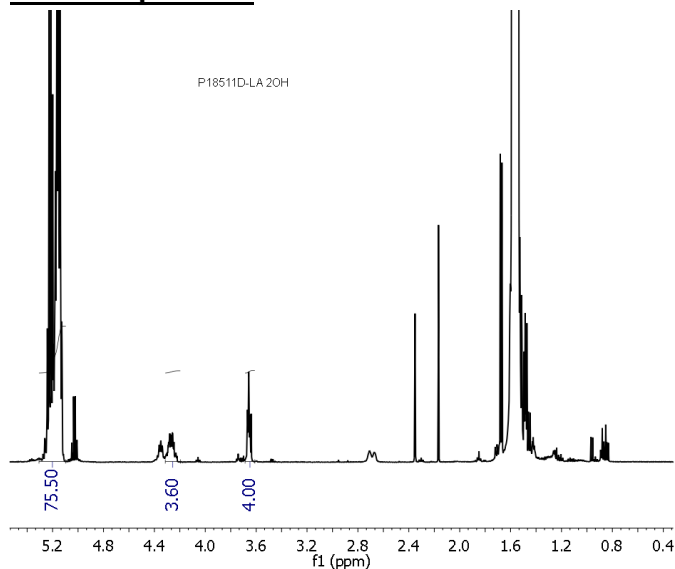
Characterization:

The molecular weight and polydispersity index (M_w/M_n) of the polymer were determined by size exclusion chromatography (SEC). The obtained molecular weight is in good correlation with ^1H NMR data as calculated by comparing peak areas of ethylene glycol protons at ~4.3 ppm and polylactide protons at ~5.1 ppm.

Solubility:

The polymer is soluble in toluene, THF, chloroform, DCM; and is insoluble in methanol, hexanes and ether.

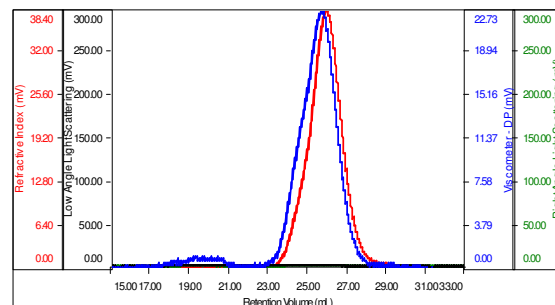
^1H NMR spectrum:



SEC elugram:

Sample ID: P18511D-LA

Concentration (mg/mL)	3.7206
Sample conc (mL/g)	0.0460
Method File	PS80K-March13-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18511C-CL_01.vdt	5,237	7,686	6,061	1.468	0.2566