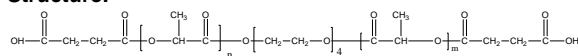


**Sample Name: Dicarboxyl ended
polylactide**

Sample #: P7401-LA2COOH (DL-Form)

Structure:

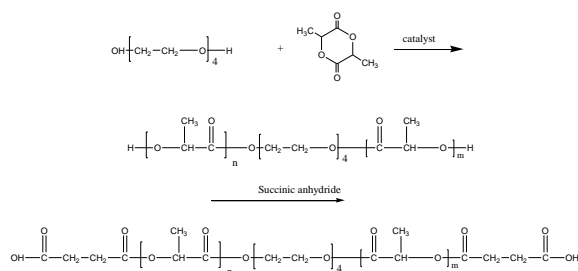


Composition:

Mn x 10 ³	PDI
7.3	1.2

Synthesis Procedure:

The polymer is prepared as the following scheme:



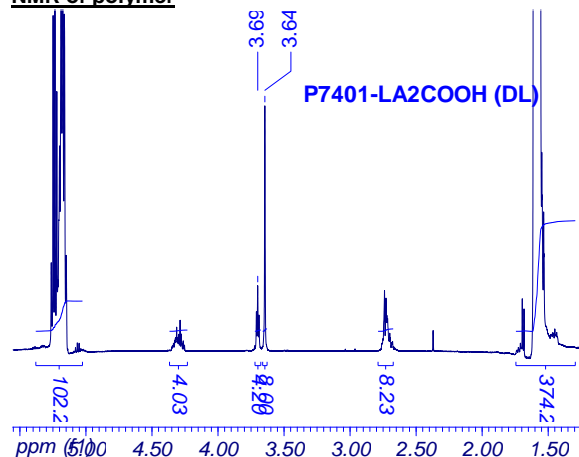
Characterization:

The Mn is calculated from NMR by comparing the peak area of the ethylene glycol protons and end CH in polylactide at about 3.64 ppm with the polylactide protons at about 5.1 ppm and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

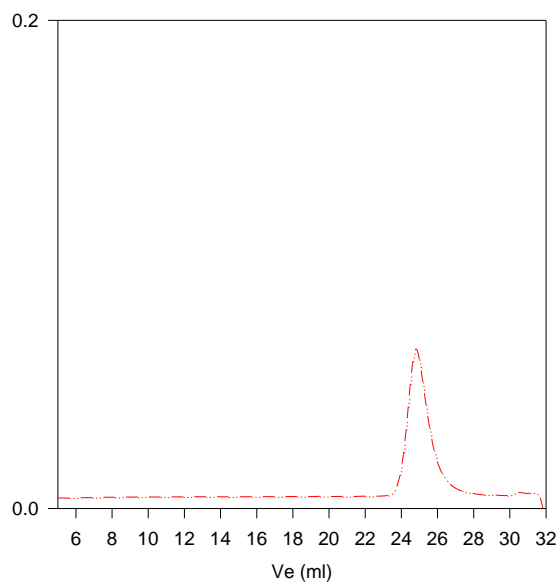
The polymer is soluble in toluene, THF, CHCl₃ and CH₂Cl₂. The polymer is insoluble in methanol, hexane and ether.

NMR of polymer



SEC of prepolymer:

P7401-LA2OH (DL form)



Size exclusion chromatography result:

--- M_n=7300, Mw=8800, PI=1.2 (Mn calculated from NMR)