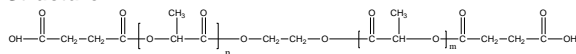


**Sample Name:** Dicarboxyl ended  
polylactide

**Sample #:** P7403-LA2COOH (DL-Form)

**Structure:**

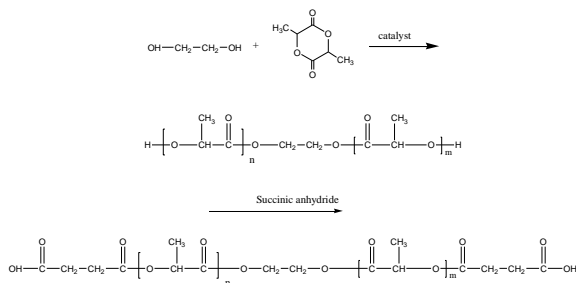


**Composition:**

Mn x 10 <sup>3</sup>	PDI
10.0	1.2

**Synthesis Procedure:**

The polymer is prepared as the following scheme:



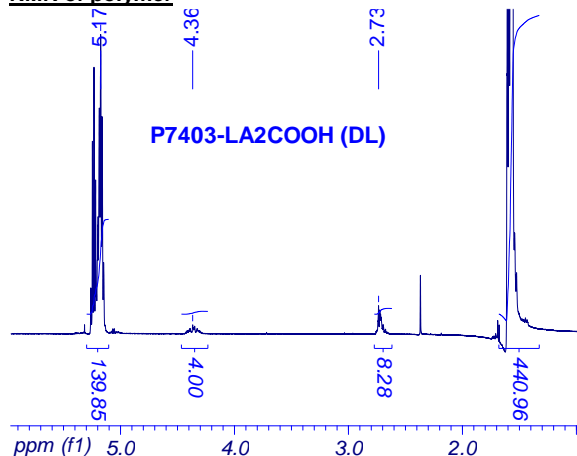
**Characterization:**

The Mn is calculated from NMR by comparing the peak area of the ethylene glycol protons at about 4.2 ppm with the polylactide protons at about 5.1 ppm and polydispersity index (PDI) are obtained by size exclusion chromatography.

**Solubility:**

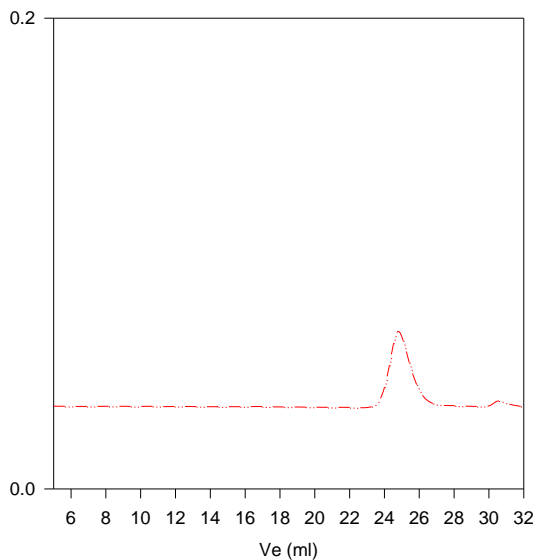
The polymer is soluble in toluene, THF, CHCl<sub>3</sub> and CH<sub>2</sub>Cl<sub>2</sub>.  
The polymer is insoluble in methanol, hexane and ether.

**NMR of polymer**



**SEC of prepolymer:**

**P7403-LA2OH (DL form)**



Size exclusion chromatography result:

— M<sub>n</sub>=10000, M<sub>w</sub>=12000, PI=1.2 (Mn calculated from NMR)