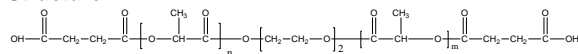


Sample Name: Dicarboxyl ended
polylactide

Sample #: P8570-LA2COOH (L-Form)

Structure:

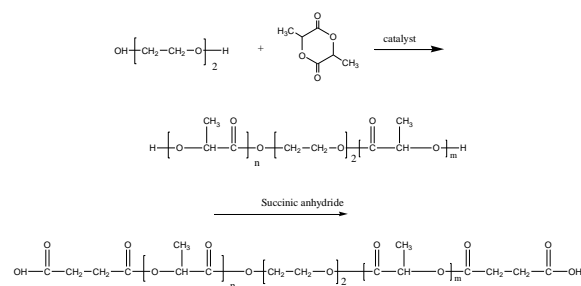


Composition:

Mn x 10 ³	PDI
5.0	1.15

Synthesis Procedure:

The polymer is prepared as the following scheme:



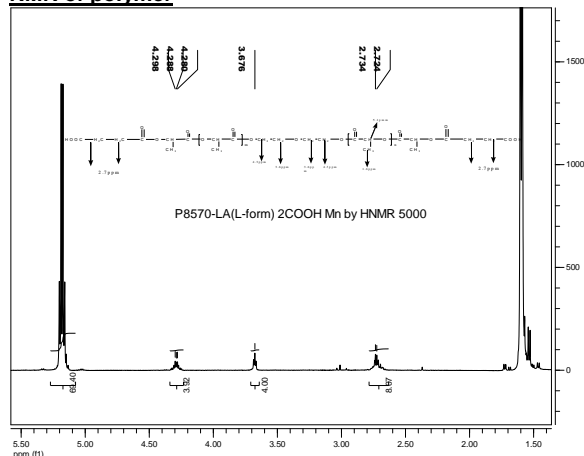
Characterization:

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

Solubility:

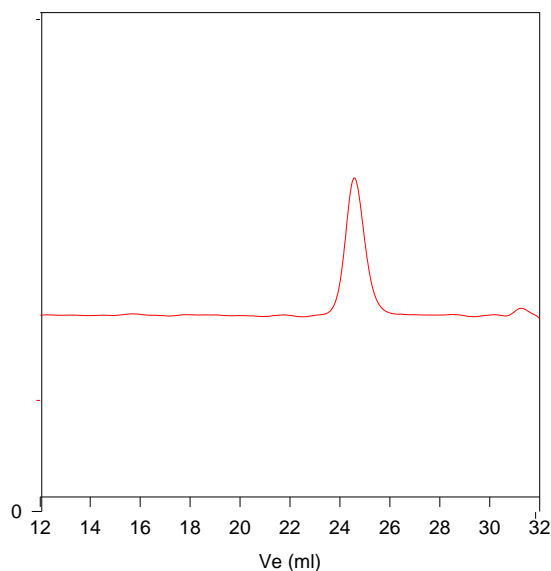
The polymer is soluble in toluene, THF, CHCl₃ and CH₂Cl₂.
The polymer is insoluble in methanol, hexane and ether.

NMR of polymer



SEC of prepolymer:

**SEC profile of Poly lactide diol Lot #
P8570-HOLA OH (L form)**



Size exclusion chromatograph of Poly lactide diol (dLform)
Mn: 6500 Mw: 7500 Mw/Mn 1.15
from ¹H NMR Mn: 5000