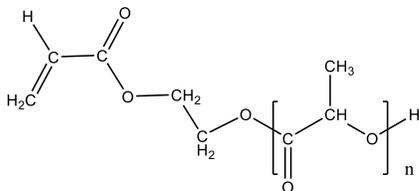


Sample Name:

Poly(DL-lactide),  $\alpha$ -acryloyloxy terminated

Sample #: P44076E-LA-Acr

Structure:

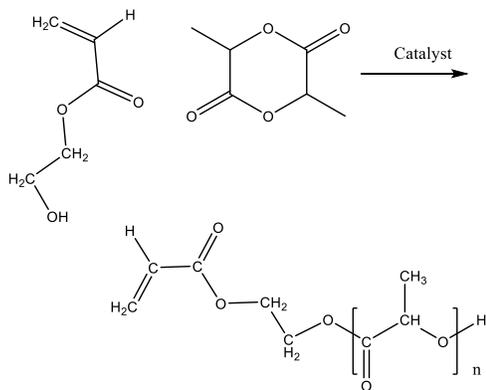


Composition:

$M_n \times 10^3$	PDI
8.5	1.2

Synthetic Procedure:

The scheme of the reaction is illustrated below:



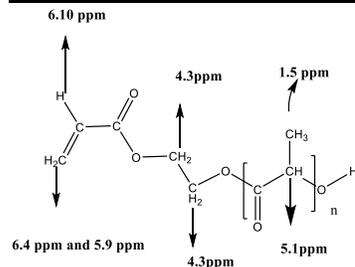
Solubility:

PDLLA is soluble in  $\text{CHCl}_3$ , Acetone, THF and it is insoluble in ethanol, hexane. It Precipitated from Acetone or  $\text{CHCl}_3$  into EtOH or hexane/EtOH.

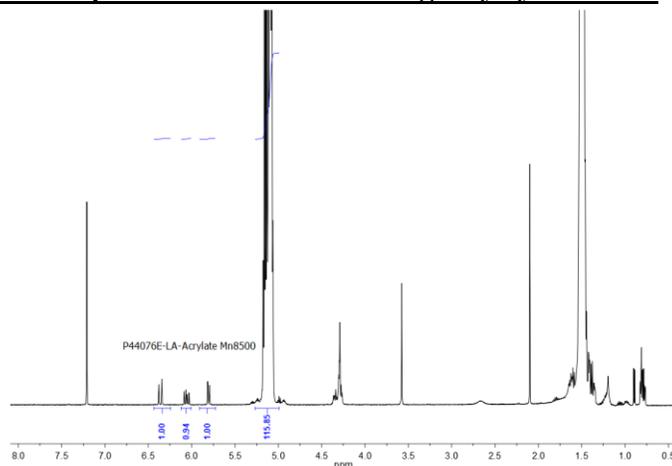
Characterization:

PDLLAs were analyzed by size exclusion chromatography (SEC) to obtain the polydispersity index (PDI).  $M_n$  was estimated by NMR. Percentage of vinyl functionality was determined from the integrals ratio of the peaks at 2.90 and 5.9, 6.1 and 6.4 ppm.

## Chemical shifts assignments



## HNMR spectrum of PDLLA bearing acryloyl moieties:



## SEC profile of the polymer:

### Workspace Details

Workspace name: Calibration 2021-10-27  
Location: D:\GPC\Workspaces\Calibration 2021-10-27\  
Comments:  
Created by: agilent2 at 4:40:59 PM on October 27, 2021

### Chromatogram Plot

