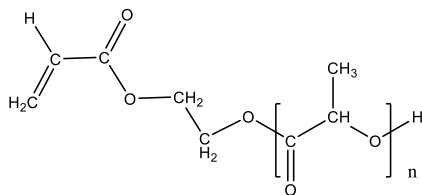


Sample Name:

Poly(DL-lactide), α -acryloyloxy terminated

Sample #: **P42125C-LA-Acr**

Structure:

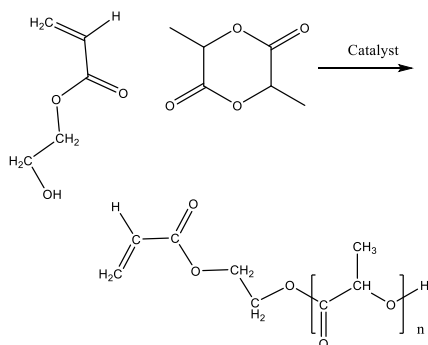


Composition:

$M_n \times 10^3$	PDI
31.0	1.3

Synthetic Procedure:

The scheme of the reaction is illustrated as below:



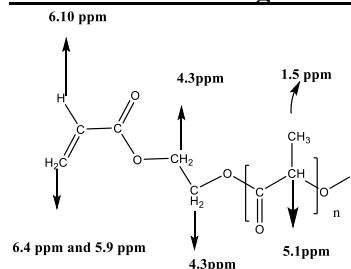
Solubility:

PDLLA is soluble in CHCl_3 , Acetone, THF and it is insoluble in ethanol, hexane. It Precipitated from Acetone or CHCl_3 into EtOH or hexane/EtOH.

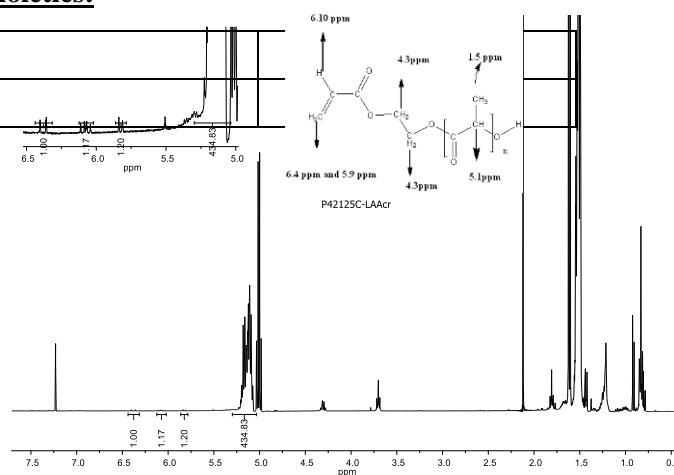
Characterization:

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

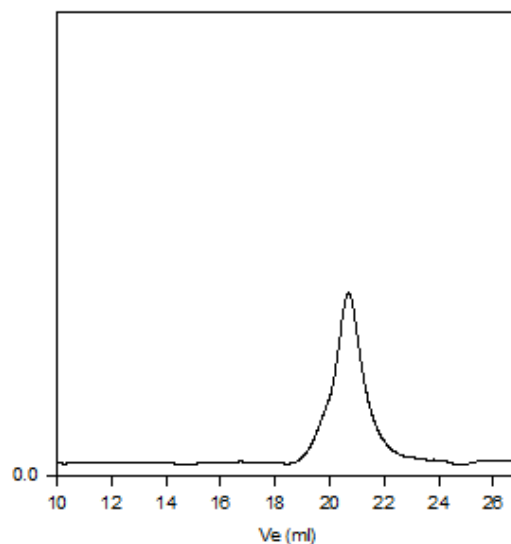


HNMR spectrum of PDLLA bearing acryloyl moieties:



SEC profile of the polymer:

P42125C-LAAcr



Size exclusion chromatography result
 M_n 31,000 M_w : 40,000 M_w/M_n 1.3