Sample Name: **Poly(DL-lactide–co–glycolide), α,ω-bis(acryloxy)-terminated, with 1,2-ethanedioxy in the middle of the polymer chain**

Sample #: **P60635-DLLAGly-2Acrylate**

Structure:
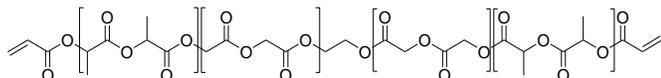
Composition:

$M_n \times 10^3$	PDI
2.4	1.25

| DLLA: Glycolide Molar ratio   60:40 |
|---|
| Functionality 80% |

Synthetic Procedure:

The product was synthesized by using Ethylene glycol initiator and Sn Octoate catalyst followed by treating polymer with acryloyl chloride.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR data analysis.

H NMR spectrum of Random copolymer:

P60627A_PLGA-2OH_60-40_2k

Mn (NMR) ~ 2000
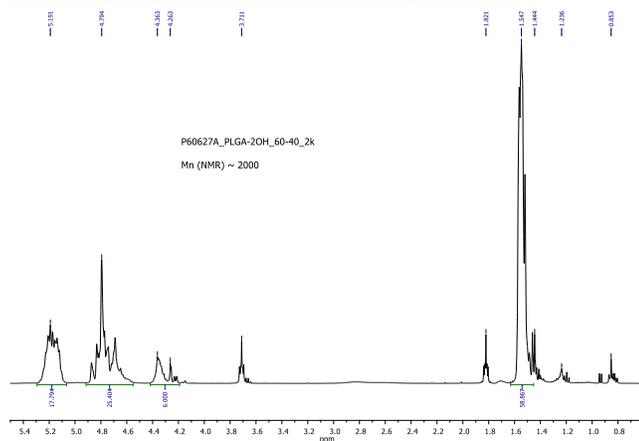
H NMR spectrum of DLLAGlY-2Acrylate:

P60635_PLGA-2Acr_2k

~80% Acr
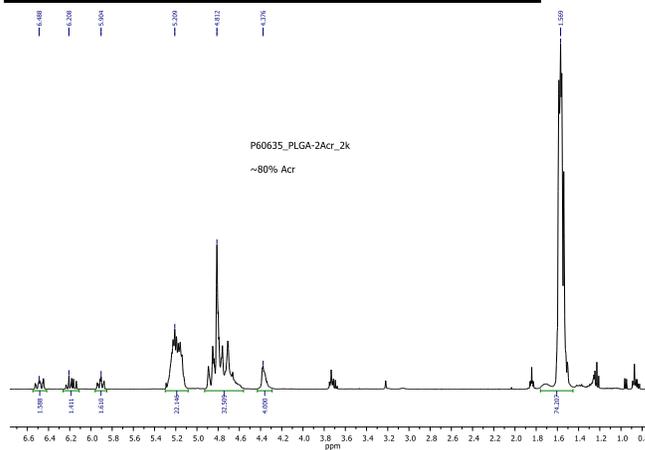
SEC profile of the polymer:

Agilent GPC/SEC Software

P60635

Chromatogram Plot
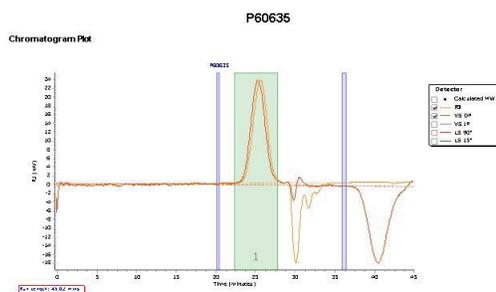
Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	2549	2369	2963	3732	4708	3494	1.251