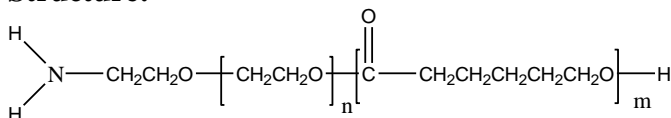


Sample Name:

Amino end functionalized Poly(ethylene oxide-b-caprolactone)

Sample #: P18353A-NH2EGCL

Structure:



Composition:

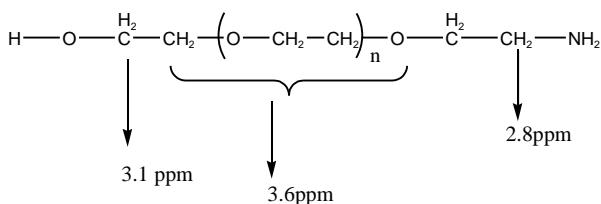
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functionality
5.0-b-10.5	1.5	>99%

Characterization:

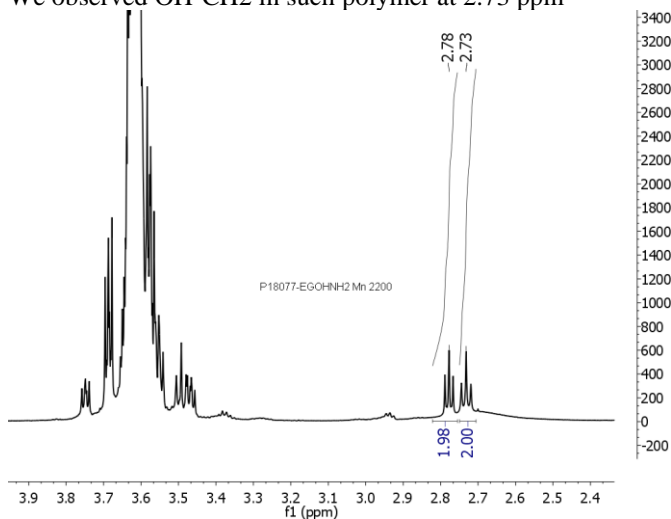
By combination of anionic and coordination ring opening polymerization process.

□-NH2-□-OH terminated PEG used in this polymer synthesis

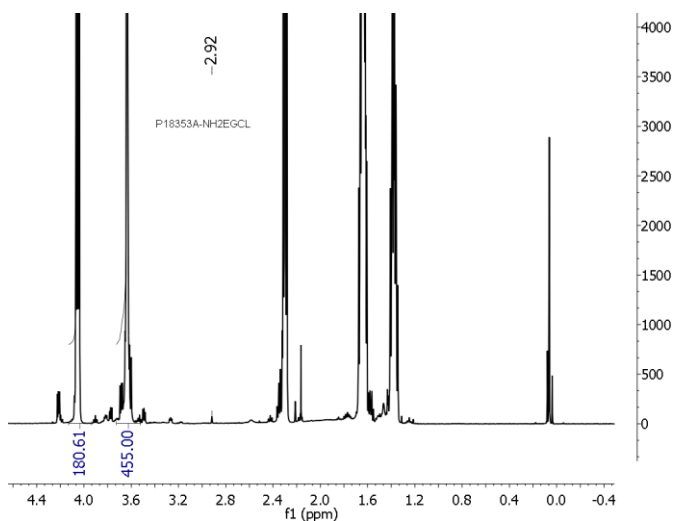
Chemical shifts assignment for the NH2-PEG-OH



We observed OH-CH₂ in such polymer at 2.73 ppm

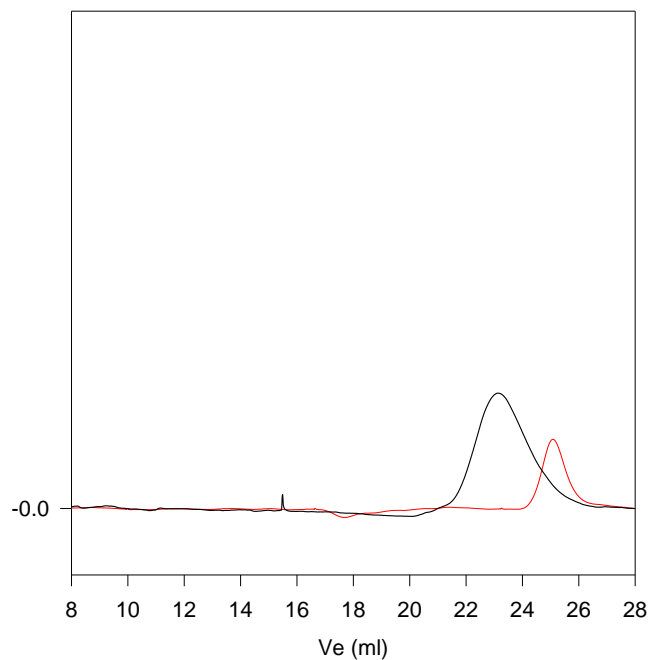


¹H-NMR Spectrum of the polymer



SEC of the block copolymer:

P18353A-NH2EGCL



Size exclusion chromatograph of NH₂ terminated PEG-b-CL

PEG Block: M_n=5,000, M_w=5,800, PI=1.15

NH₂-EG-b-CL: 5,000-b-10,500 Mw/Mn:1.5