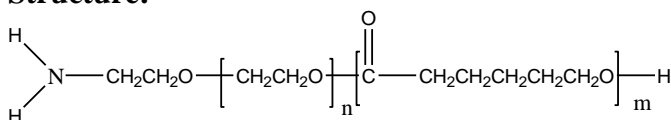


Sample Name:

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

Sample #: **P18357-NH2EGCL**

Structure:



Composition:

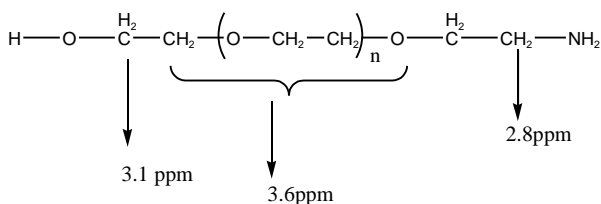
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functionality
5.0-b-15.0	1.5	>99%

Characterization:

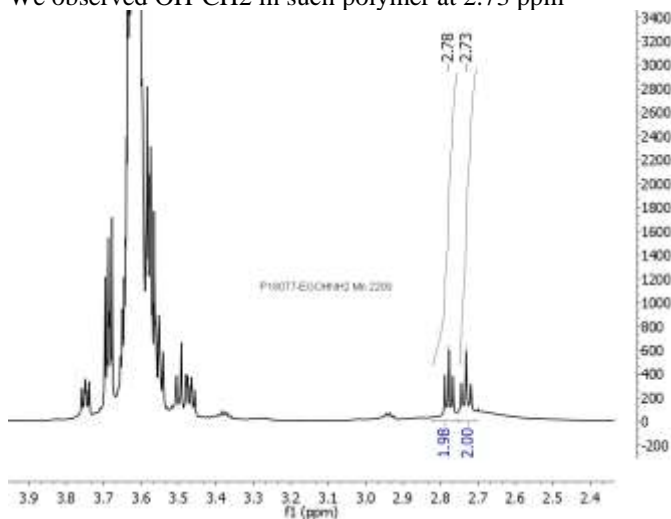
By combination of anionic and coordination ring opening polymerization process.

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

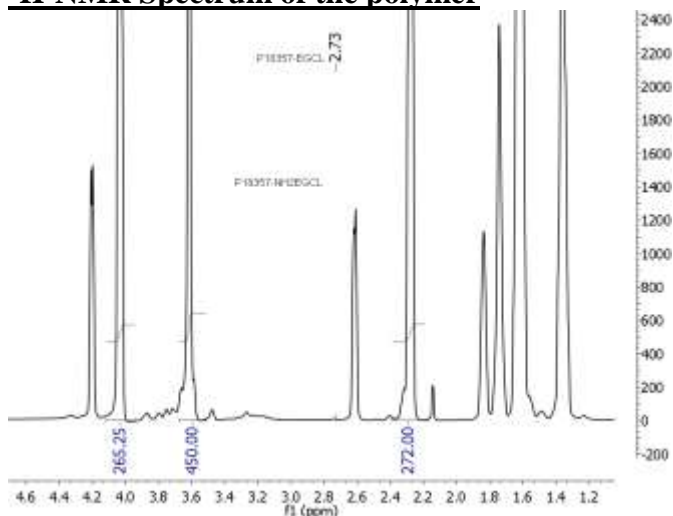
Chemical shifts assignment for the NH2-PEG-OH



We observed OH-CH2 in such polymer at 2.73 ppm

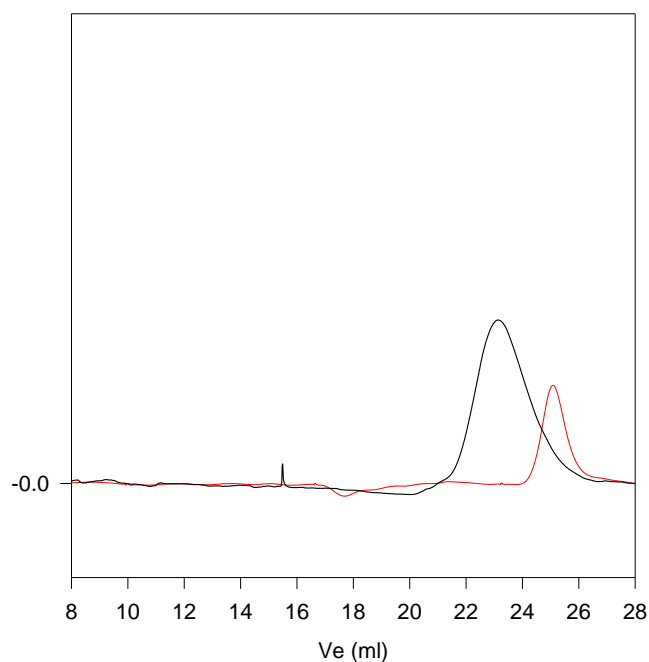


¹H-NMR Spectrum of the polymer



SEC of the block copolymer:

P18357-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-15,000 Mw/Mn:1.5