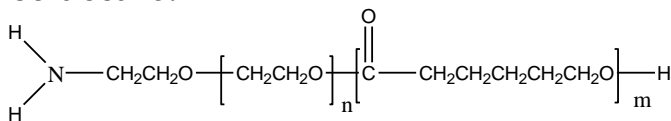


Sample Name:

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

Sample #: **P18272B- NH2EGCL**

Structure:



Composition:

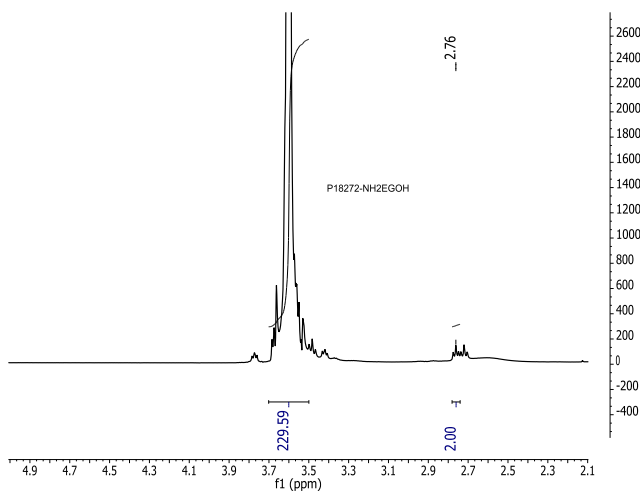
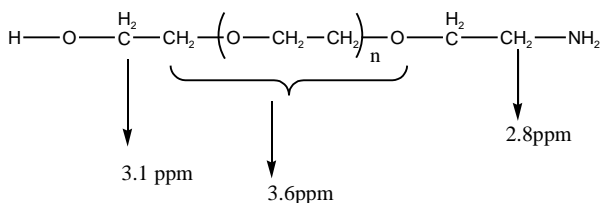
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functionality
2.5-b-9.5	1.2	>99%

Characterization:

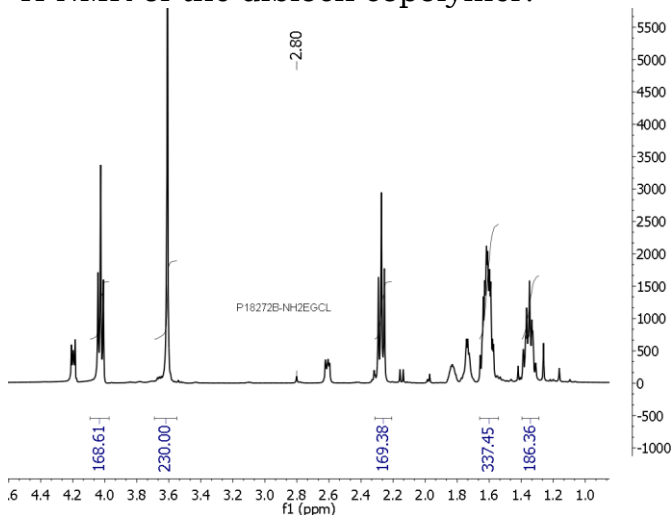
By combination of anionic and coordination ring opening polymerization process.

α -NH2- ω -OH terminated PEG used in this polymer synthesis

Chemical shifts assignment for the NH2-PEG-OH

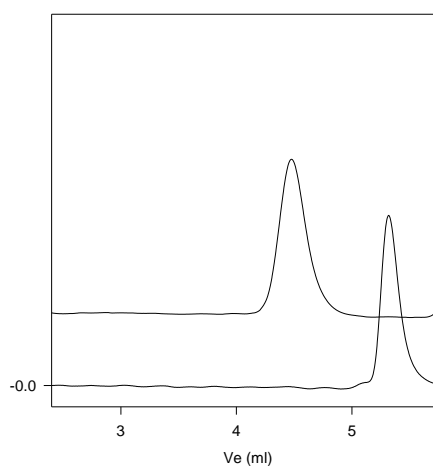


¹H NMR of the diblock copolymer:



SEC of the block copolymer:

P18272B-NH2EGCL



Size exclusion chromatograph of α , hydroxy ω amino terminated poly(ethylene glycol):

$M_n=2500$, $M_w=2,600$, $PI=1.06$ NH2 functionality > 99%
NH2EGCLMn 2500-b-9,500 Mw/Mn 1.2
Mn determined by HNMR and the distribution by SEC