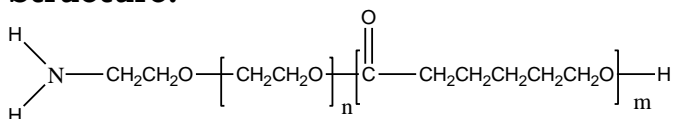


Sample Name:

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

Sample #: **P18353P- NH2EGCL**

Structure:



Composition:

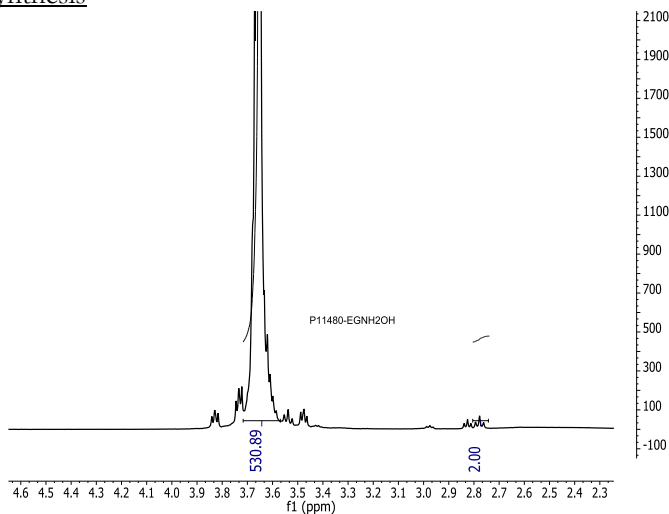
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2functional ity
5.0-b-17.0	1.3	>99%

Characterization:

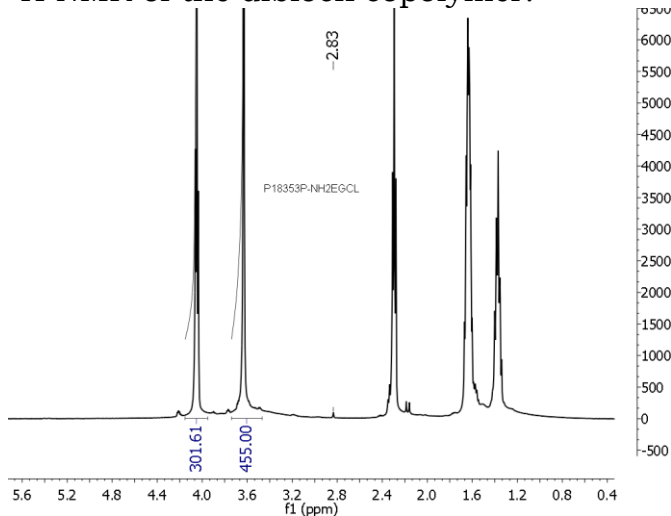
By combination of anionic and coordination ring opening polymerization process.

¹H-NMR Spectrum of the polymer

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

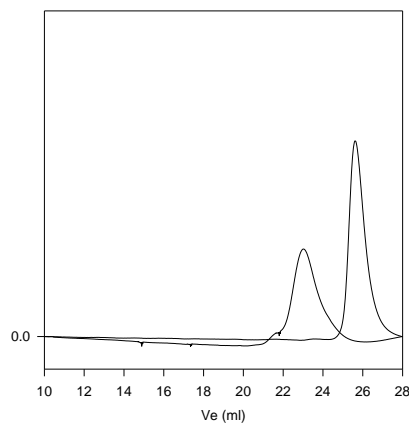


¹H NMR of the diblock copolymer:



SEC of the block copolymer:

P18353P-NH₂EOCL



Size exclusion chromatography:
— Poly(ethylene glycol) NH₂-OH M_n=5000, M_w=5600, PI=1.13
— Block Copolymer PEO(5000)-b-PCL(17,000), PI=1.30
Composition from ¹H NMR