

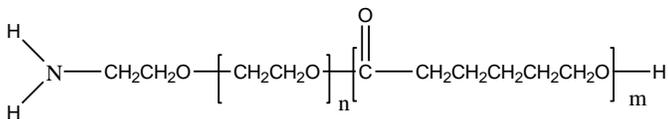
## <sup>1</sup>H NMR of the diblock copolymer:

Sample Name:

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

Sample #: **P18272C- NH2EGCL**

**Structure:**



**Composition:**

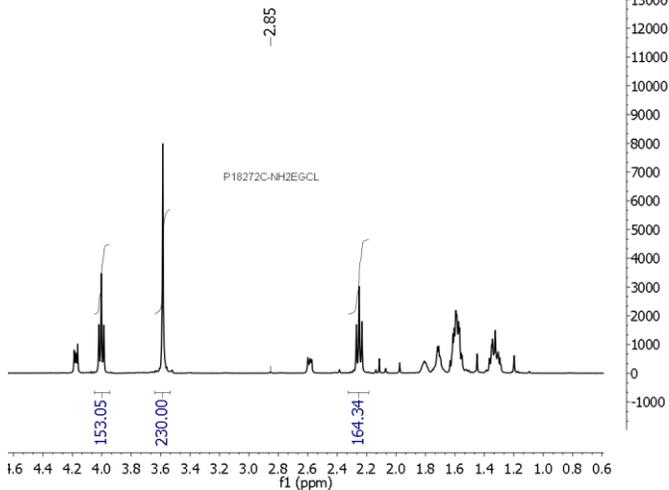
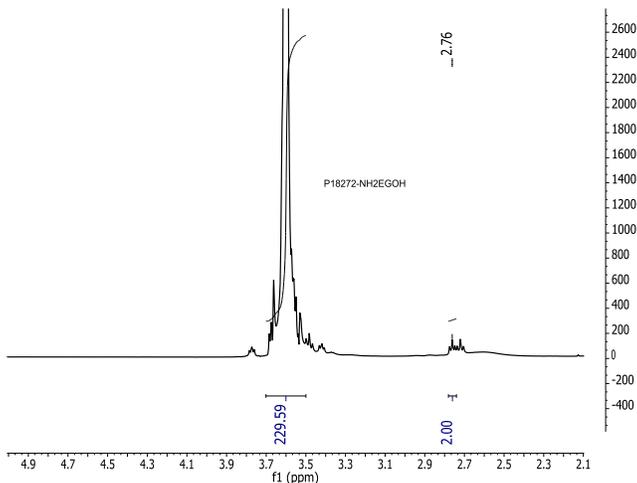
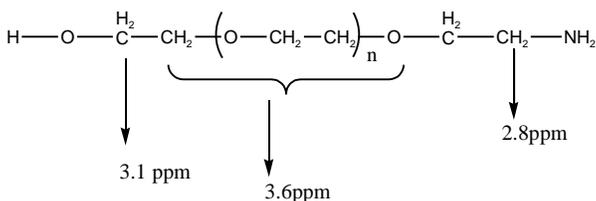
Mn x 10 <sup>3</sup> NH2 EG-b-PCL	PDI	NH2 functionality
2.5-b-9.0	1.2	>99%

**Characterization:**

By combination of anionic and coordination ring opening polymerization process.

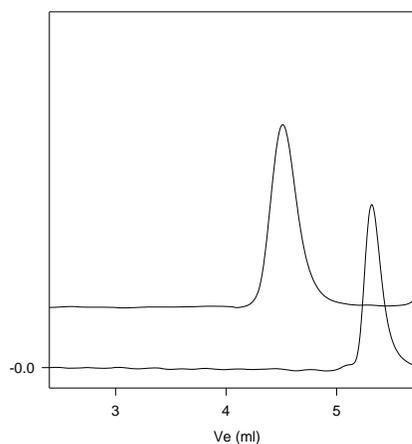
α-NH2-ω-OH terminated PEG used in this polymer synthesis

Chemical shifts assignment for the NH2-PEG-OH



**SEC of the block copolymer:**

**P18272C-NH2EGCL**



Size exclusion chromatograph of  
α, hydroxy ω amino terminated poly(ethylene glycol):  
M<sub>n</sub>=2500, M<sub>w</sub>=2,600, PI=1.06 NH<sub>2</sub> functionality > 99%  
NH<sub>2</sub>EGCL Mn 2500-b-9,000 Mw/Mn 1.2  
Mn determined by HNMR and the distribution by SEC