

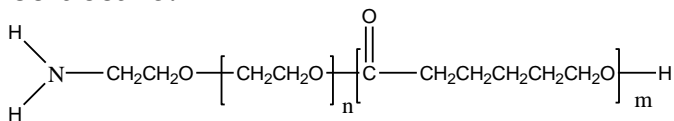
Sample Name:

Amino end functionalized

Poly(ethylene oxide-b-caprolactone)

Sample #: **P18103- NH2EGCL**

Structure:



Composition:

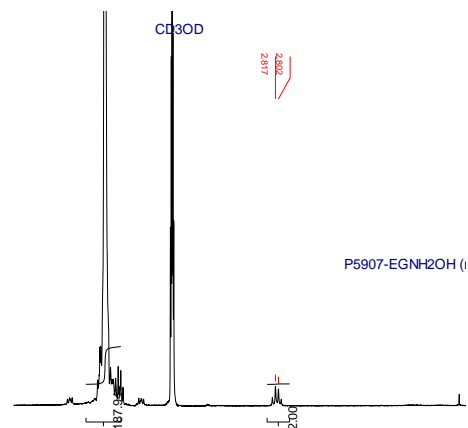
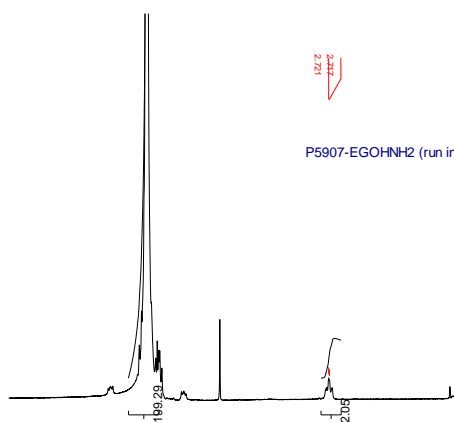
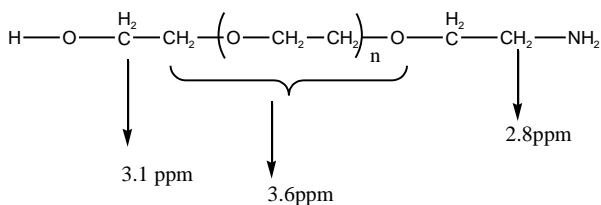
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functionality
2.2-b-16.0	1.3	>99%

Characterization:

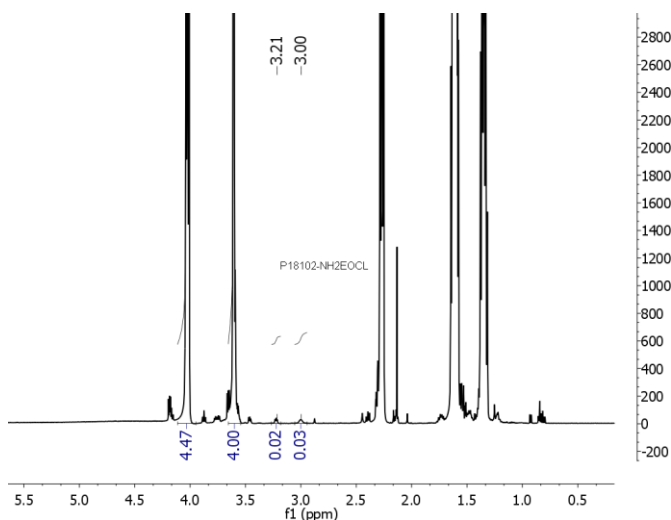
By combination of anionic and coordination ring opening polymerization process.

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

Chemical shifts assignment for the NH₂-PEG-OH

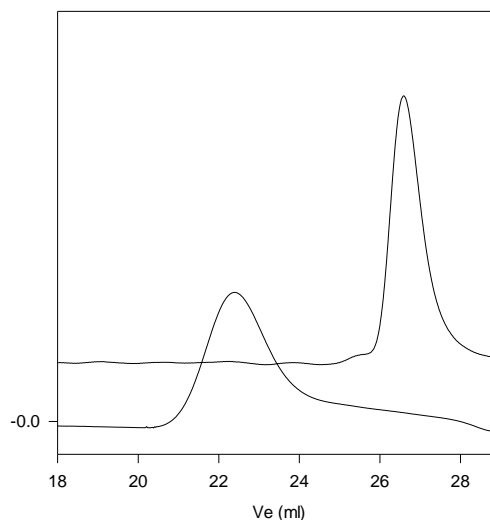


¹H NMR of the diblock copolymer:



SEC of the block copolymer:

P18103-NH2EGCL



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

M_n=2200, M_w=2400, PI=1.12 NH₂ functionality> 99%

NH₂EGCL Mn 2200-b-16,000 PDI=1.3

Mn determined by HNMR and the distribution by SEC

