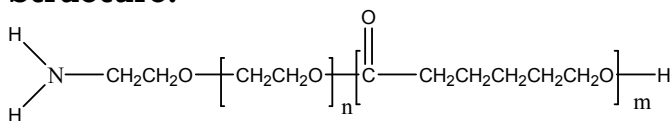


Sample Name:

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

Sample #: **P18104- NH2EGCL**

Structure:



Composition:

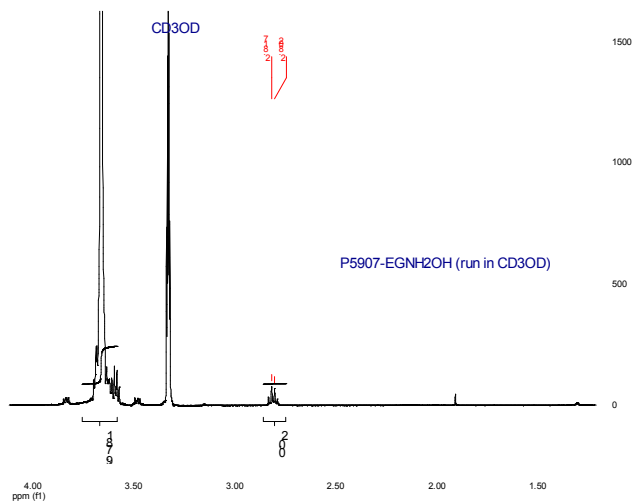
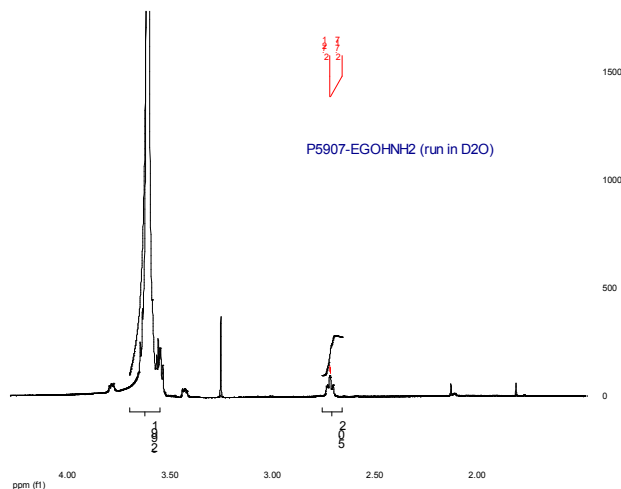
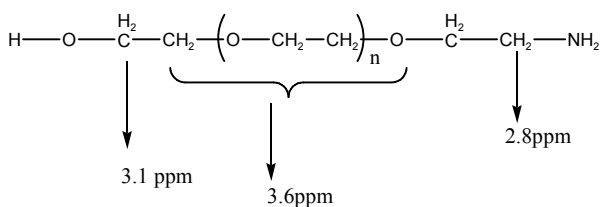
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functionality
2.2-b-27.0	1.3	>99%

Characterization:

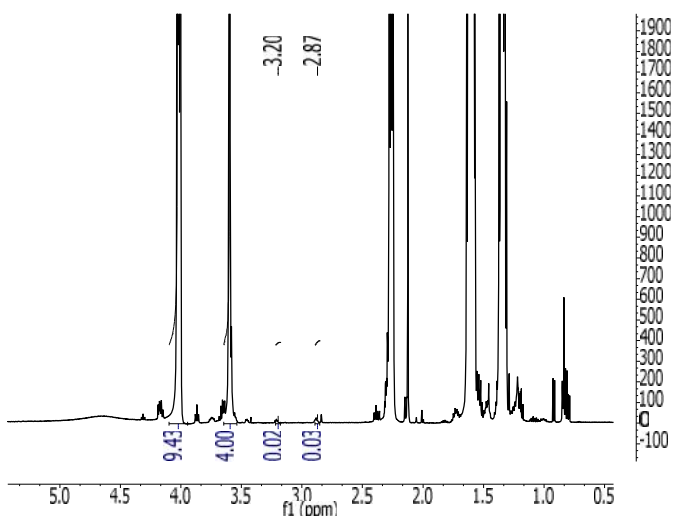
By combination of anionic and coordination ring opening polymerization process.

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

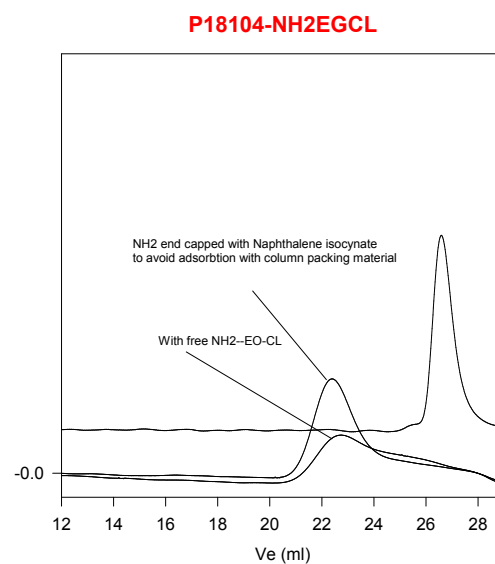
Chemical shifts assignment for the NH2-PEG-OH



¹H NMR of the diblock copolymer:



SEC of the block copolymer:



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

M_n=2200, M_w=2400, PI=1.12 NH2 functionality> 99%
NH2EGCLMn 2200-b-27,000 Mw/Mn 1.3
Mn determined by HNMR and the distribution by SEC