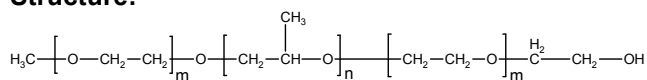


Sample Name:

Poly(ethylene oxide-b- propylene oxide -b-ethylene oxide)

Sample #: P18092-EOPOEO

Structure:**Composition:**

Mn x 10 ³	PDI
0.25-b-0.8-b-0.25	1.2
Dp: 6-b-13-b-6	

Synthesis Procedure:

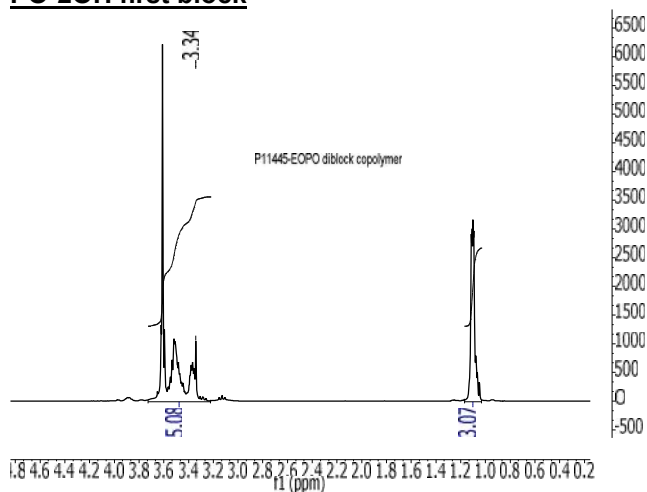
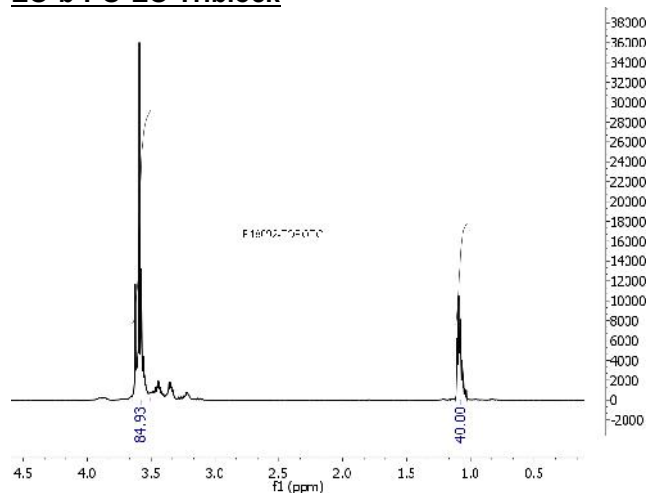
Poly(ethylene oxide-b-propylene oxide-b-ethylene oxide) is prepared by living anionic polymerization with sequence addition of monomer PO and EO using difunctional potassium salt of ethylene glycol.

Characterization:

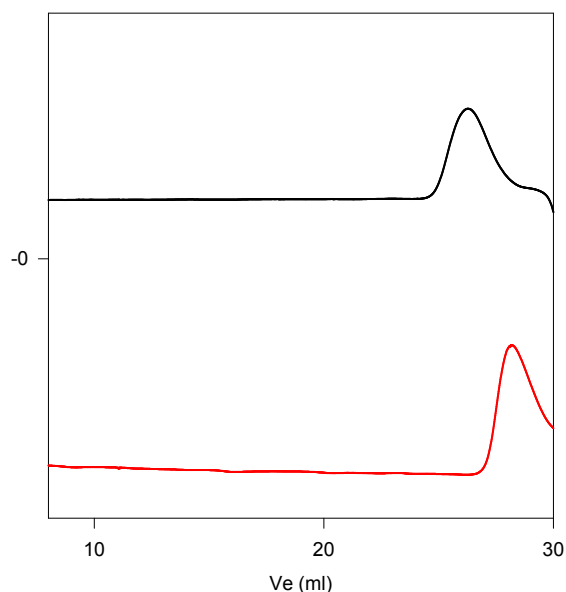
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

Polymer is soluble in THF, CHCl₃, and toluene.

PO-2OH first block**EO-b-PO-EO Triblock****Triblock EOPOEO**

P18092-EOPOEO



Size exclusion chromatography of the product:

- Poly(propylene glycol) : M_n=800, M_w/M_n=1.2
- Poly(EO-b-PO-b-EO) : M_n=250-800-250 M_w/M_n=1.2