

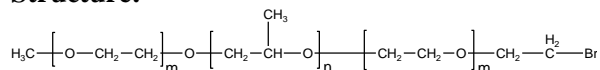
Sample Name:

Mono bromo end Functionalized

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

Sample #: **P11445B-EOPOEOBr**

Structure:



Composition:

$\text{Mn} \times 10^3$	PDI
0.45-b-1.3-b-0.6	1.09
Dp: 10-b-21-b-13	

Synthesis Procedure:

Poly(ethylene oxide-b-propylene oxide-b-ethylene oxide) is prepared by living anionic polymerization with sequence addition of monomer EO and propylene oxide.

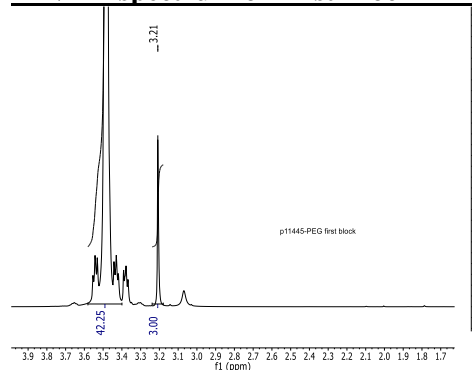
Characterization:

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.

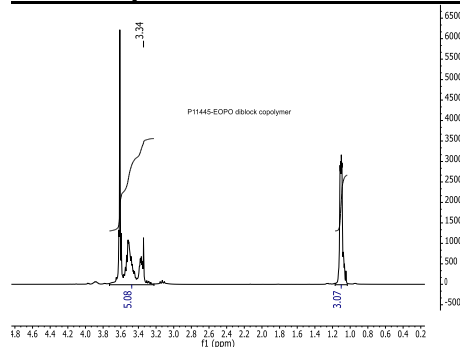
Solubility:

Polymer is soluble in THF, CHCl_3 , toluene, methanol and ethanol.

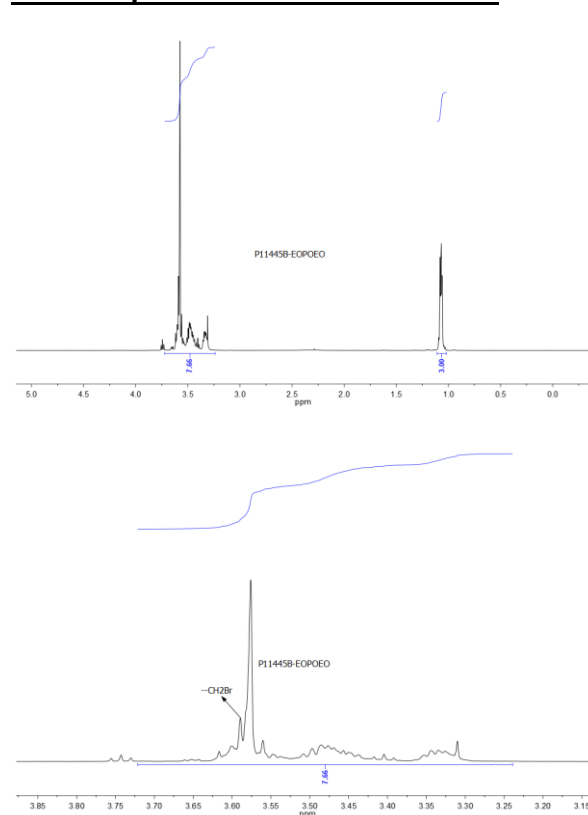
H NMR spectrum of First Block mPEG:



H NMR spectrum of mPEG-b-PO Diblock:



H NMR spectrum of mPEG-b-PO-EO:



13C NMR spectrum of the product:

