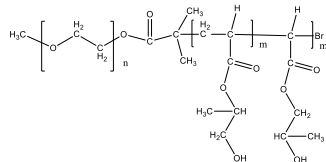


Sample Name: Poly(ethylene oxide)-b-Poly(hydroxy propylacrylate)

Sample #: P43985-EOHPrA

Structure:

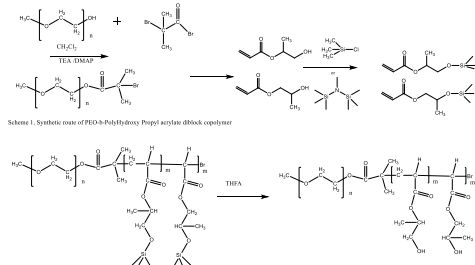


Composition:

Mn x 10 ³ PEO-b-HPA	PDI
5.0-b-4.0	1.48

Synthesis Procedure:

Poly(ethylene oxide)-b-Poly(hydroxy propylacrylate) is prepared as shown in the scheme below:



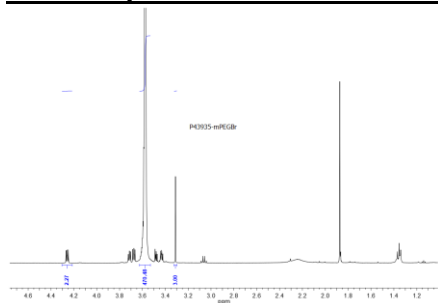
Characterization:

Polymer composition was determined by H NMR. Molecular weights of the first block and the Mw/Mn of the final and the first block was determined by SEC in THF.

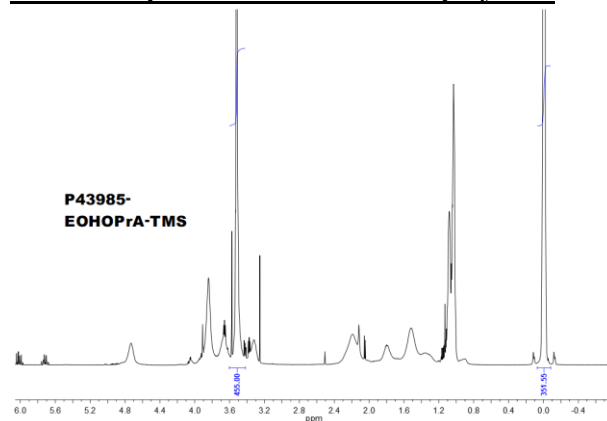
Solubility:

Poly(ethylene oxide)-b-Poly(hydroxy propylacrylate) is soluble in CHCl₃, THF, toluene. The polymer precipitated out from hexane.

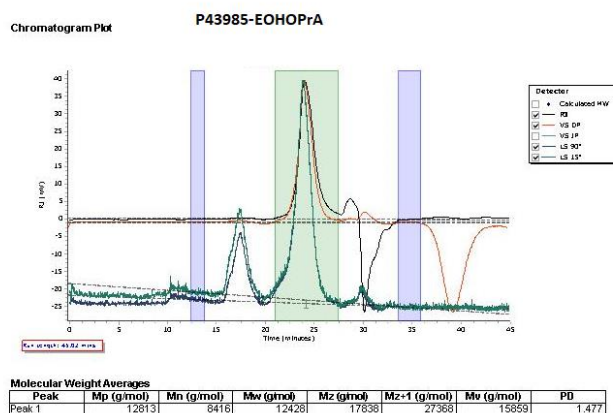
H NMR spectrum of the PEGBr Mn of 5000:



¹H-NMR Spectrum of the block copolymer:



SEC profile of the Sample:



FTIR of the product:

