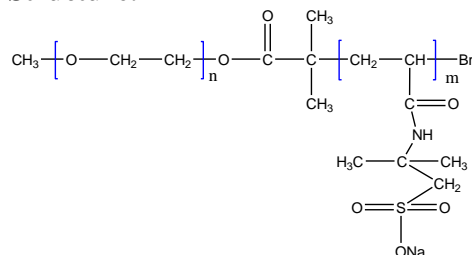


Sample Name: Poly (ethylene oxide -b-2(sodium -acrylamido)2-methyl propane sulfonate

Sample #: P41400D-EOAMPSNa

Structure:

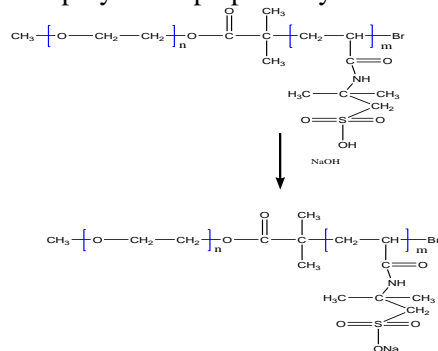


Composition:

$M_n \times 10^3$ PEO-b-PAMPSNa	PDI
10.5-b-25.0	1.5
Dp: 238-b-109	

Synthesis Procedure:

The polymer is prepared by controlled radical process.

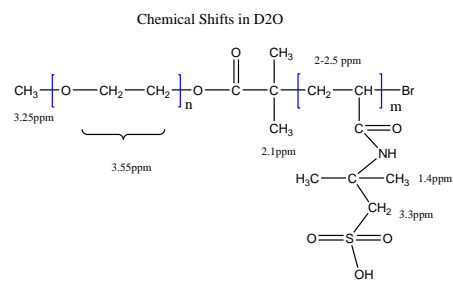
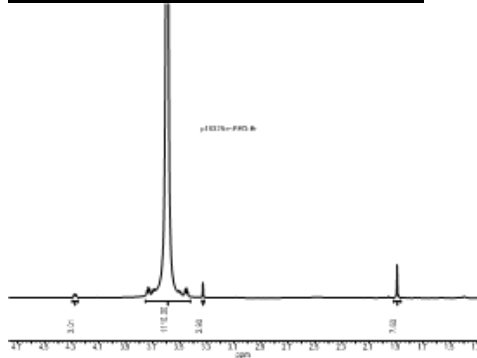


Characterization:

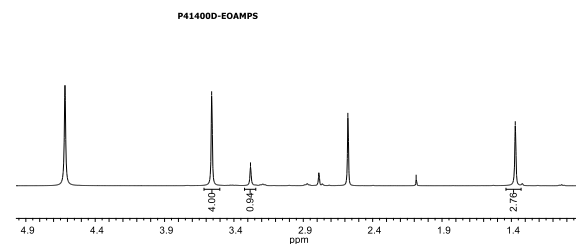
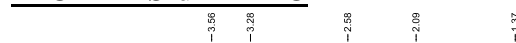
The polymer was characterized by SEC in aqueous phase using 0.05 M CH₃COOH and CH₃CONa in H₂O and by HNMR.

Solubility: The polymer is soluble in water.

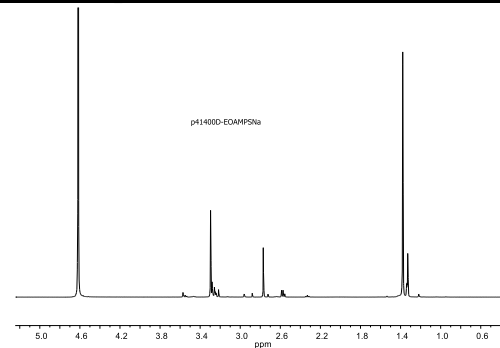
HNMR spectrum of the PEG-Br:



HNMR Spectrum of the block copolymer PEO-AMPSrun in D2O

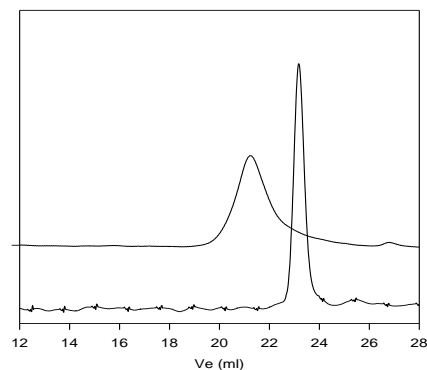


HNMR Spectrum of the EO-AMPS-Na run in D2O:



SEC of the block copolymer:

P41400D-EOAMPS



Size exclusion chromatograph of poly(ethylene glycol):

$M_n=10,500$, $M_w=11,300$, PDI=1.08
EO-b-AMPS M_n 10,500-b-21,000 Mw/Mn 1.5
EO-AMPS-na: 10,000-b-25,000 Mw/Mn 1.5