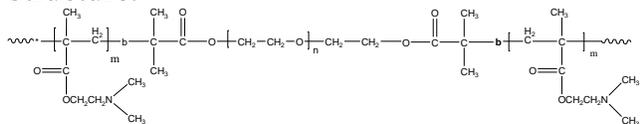


Sample Name:

Poly(N,N-dimethylaminoethyl methacrylate-
b-ethylene oxide-b-N,N-dimethylaminoethyl
methacrylate)

Sample #: P11252D-DMAEMAEODMAEMA

Structure:



Composition:

Mn x 10 ³	PDI
2.6-b-2.0-b-2.6	1.3

Synthesis Procedure:

Polymer is obtained by anionic polymerization:

Characterization:

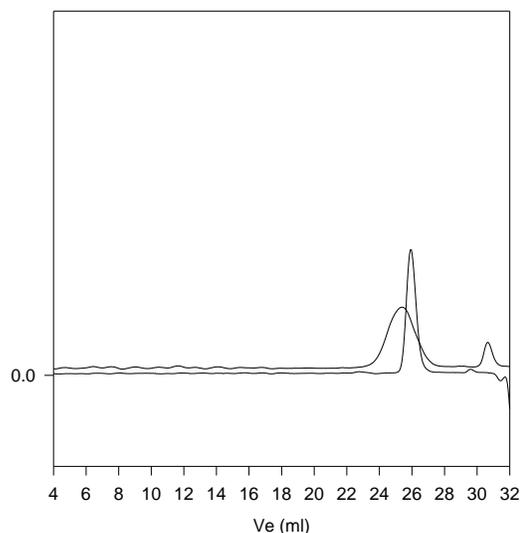
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

The tri-block polymer is soluble in , ethanol, methanol, THF, and CHCl₃.

SEC of Sample:

P11252D-DMAEMAEODMAEMA



Size exclusion chromatography of poly(dimethylaminoethyl methacrylate-
b-ethylene oxide-b-dimethylaminoethylmethacrylate):

- Polyethyleneglycol: M_n=2000, M_w=2200, PI=1.10
- Block Copolymer DMAEMA-b-EO-b-DMAEMA
Mn: 2600-b-2000-b-2600, PI=1.30
(Composition from H NMR)

HNMR of the Polymer:

