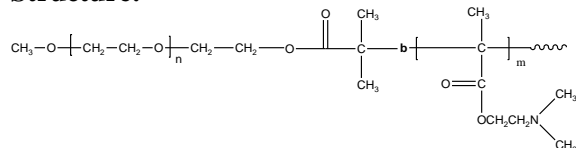


Sample Name: Poly(ethylene oxide)-b-poly(N,N-dimethylaminoethyl methacrylate)

Sample #: P43264A-EODMAEMA

Structure:



Composition:

Mn x 10 ³ PEO-b-PDMAEMA	PDI
5.0-b-15.0	1.3

Synthesis Procedure:

Poly(ethylene oxide -b- 2-(dimethylamino)ethyl methacrylate) is prepared by living anionic polymerization of ethylene oxide and then RAFT process for 2-(dimethylamino)ethyl methacrylate polymerization.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

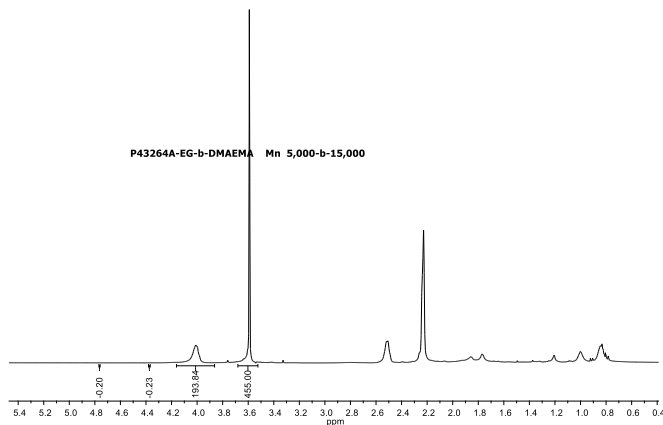
Purification:

The polymer purified further and any un-reacted homopolyethylene oxide removed from the diblock copolymer.

Solubility:

The polymer is soluble in water.

¹H-NMR Spectrum of the block copolymer:



SEC elugram of the Sample:

