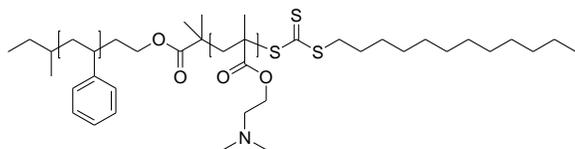


Sample Name: Poly(styrene)-b-poly(N,N-dimethylaminoethyl methacrylate)

Sample #: P41672A-SDMAEMA

Structure:



Composition:

Mn x 10 ³ St-b-DMAEMA	Mw/Mn (PDI)
10.5-b-15.5	1.10

Synthesis Procedure:

Poly(styrene-b-N,N-dimethylaminoethyl methacrylate) is prepared by a combination of anionic and RAFT polymerization.

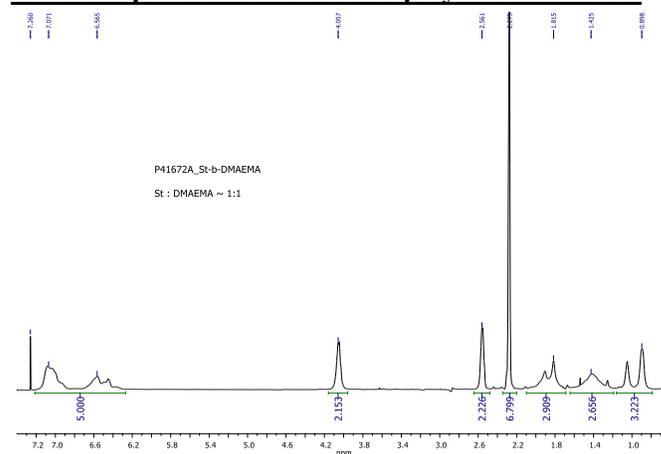
Characterization:

Molecular weight characterization was performed using size-exclusion chromatography (SEC) and ¹HNMR.

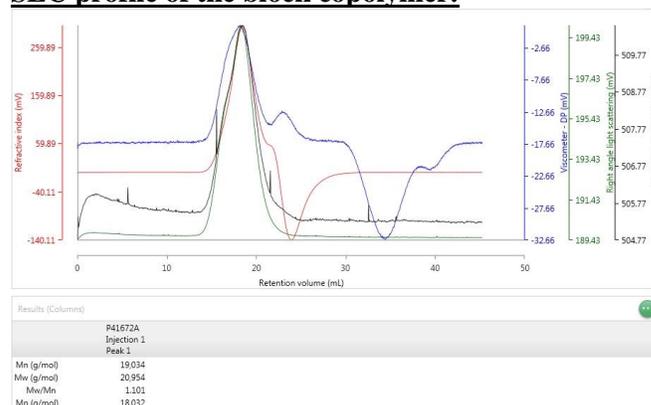
Solubility:

Block copolymer soluble in THF, dioxane, CHCl₃. It forms a suspension-like cloudy solution in methanol, ethanol.

¹HNMR spectrum of diblock copolymer in CDCl₃:



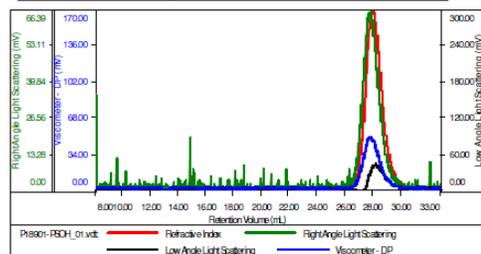
SEC profile of the block copolymer:



SEC profile of the first block:

Sample ID: P18901-SOH

Concentration (mg/mL)	20.8300
Sample divide (mL/g)	0.1950
Method File	PS801-0023-2014-0000.vcm
Column Set	3x PL 1113-8300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P18901-PSOH_01.vdt	10,691	11,317	10,001	1.059	0.0724