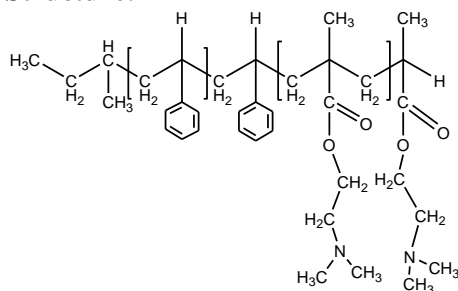


Sample Name: Poly (styrene-b-N,N-dimethyl amino ethyl methacrylate)

Sample #: P41675-SDMAEMA

Structure:



Composition:

Mn x 10 ³ S-b-DMEMA	Mw/Mn (PDI)
11.5-b-3.5	1.14
T _g for PS block: 80°C	T _g for DMAEMA block: Not distinct
DP of each Block 110-b-21	

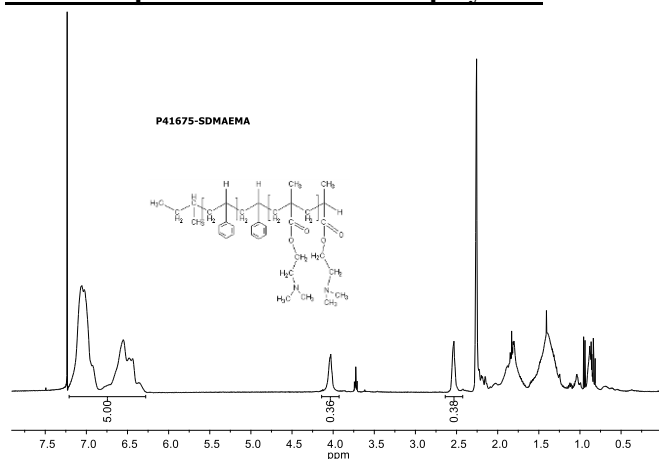
Synthesis Procedure:

Poly(styrene-b-N,N-dimethyl amino ethyl methacrylate) is prepared by anionic polymerization process.

Characterization:

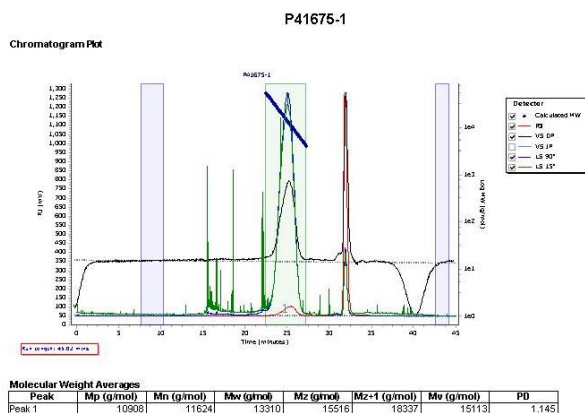
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

¹H NMR spectrum of the block copolymer:



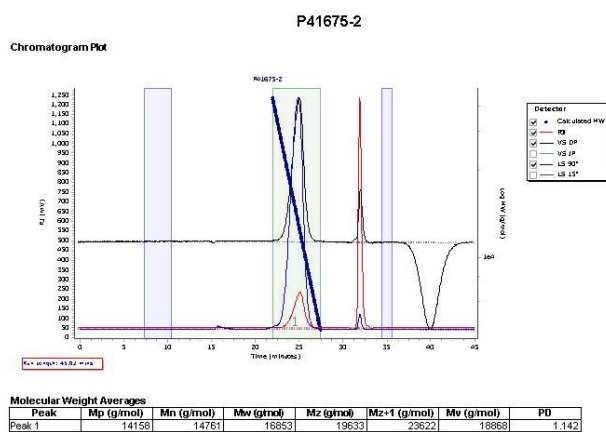
SEC profile of the S block:

Agilent GPC/SEC Software



SEC profile of the block copolymer:

Agilent GPC/SEC Software



DSC thermogram for PS block:

