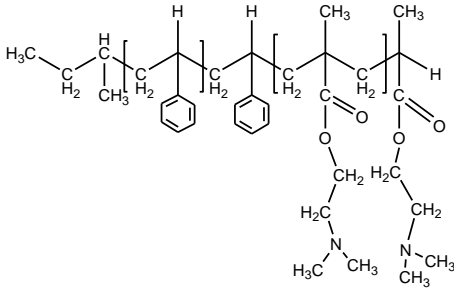


Sample Name: Poly (styrene-b-N,N-dimethyl amino ethyl methacrylate)

Sample #: P41673-SDMAEMA

Structure:



Composition:

Mn x 10 <sup>3</sup> S-b-DMEMA	Mw/Mn (PDI)
11.5-b-12.5	1.02
T <sub>g</sub> for PS block: 80°C	T <sub>g</sub> for DMAEMA block: Not distinct

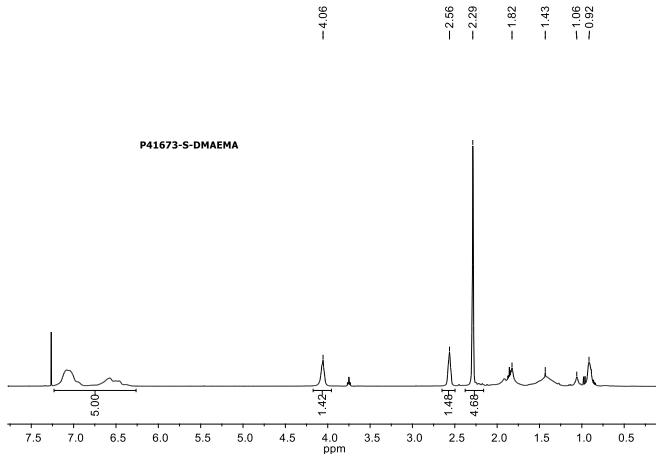
Synthesis Procedure:

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

Characterization:

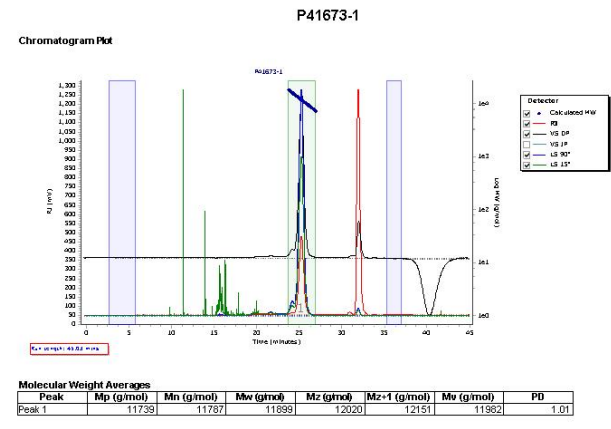
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

<sup>1</sup>H NMR spectrum of the block copolymer:



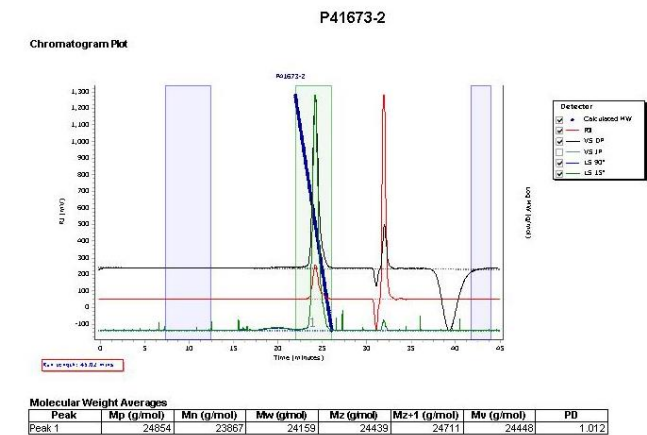
SEC elugram of the S block:

Agilent GPC/SEC Software



SEC profile of the block copolymer:

Agilent GPC/SEC Software



DSC thermogram for PS block:

