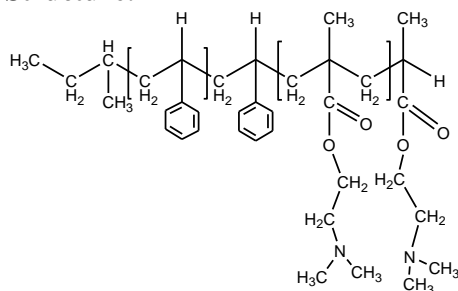


**Sample Name:** Poly (styrene-b-N,N-dimethyl amino ethyl methacrylate)

**Sample #:** P41676-SDMAEMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> S-b-DMEMA	Mw/Mn (PDI)
12.0-b-13.0	1.09

T <sub>g</sub> for PS block: 80°C	T <sub>g</sub> for DMAEMA block: Not distinct
DP of each Block 110-b-21	

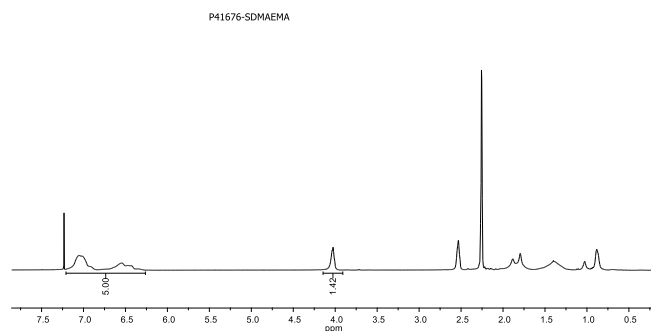
**Synthesis Procedure:**

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

**Characterization:**

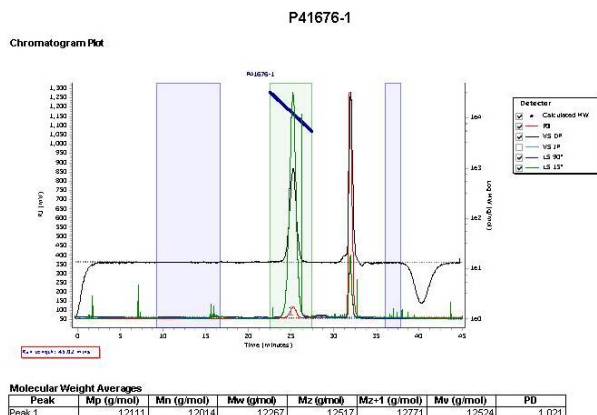
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

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



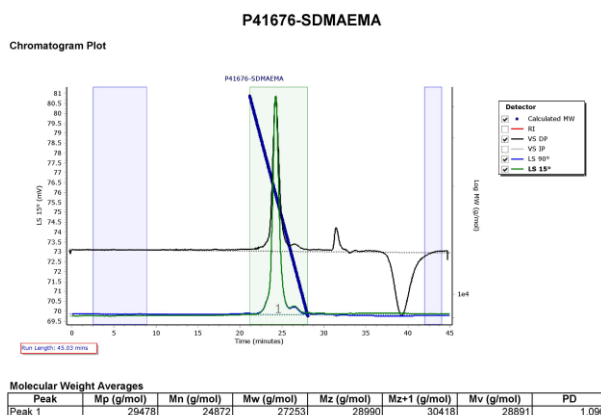
**SEC profile of the S block:**

Agilent GPC/SEC Software



**SEC profile of the block copolymer:**

Agilent GPC/SEC Software



**DSC thermogram for PS block:**

