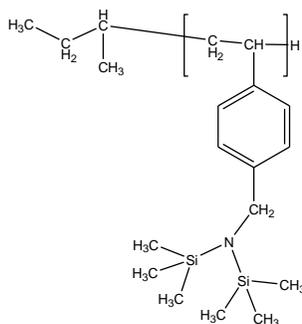


Sample Name:

Poly(4-(N,N-bis (trimethylsilyl) amino methyl styrene

Sample #: **P11245B-4AMSprotected**

Structure:



Composition:

$M_n \times 10^3$ 4AMS-Proteted	M_w/M_n (PDI)
9.0	1.2

Synthesis Procedure:

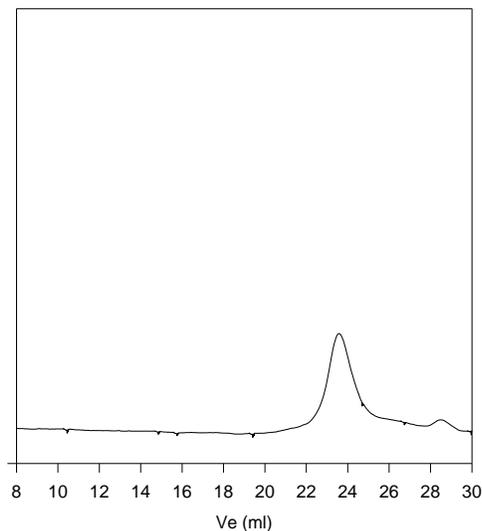
By anionic process.

Characterization:

Polymer analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from $^1\text{H-NMR}$ spectroscopy by comparing the peak area of the styrene protons at 6.3-7.2 ppm with the peak area at 3.76. HNMR analysis was carried out in CDCl_3 for the amino protected group with trimethyl silyl groups. Block copolymer PDI is determined by SEC.

Figure: SEC profile of the block copolymer

P11245B-4AMS (protected amino group)



Size exclusion chromatography of
— 4-NN-Bis Trimethyl silyl amino methyl styrene, $M_n=9,000$ $M_w= 10,500$ $PI=1.2$