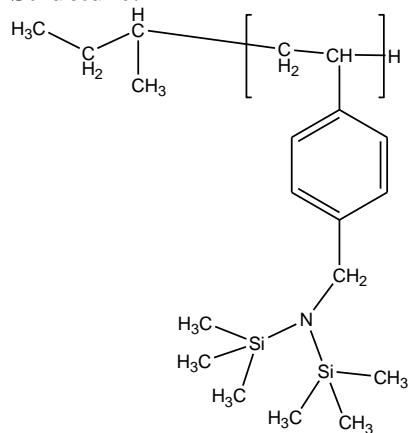


Sample Name:

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

Sample #: **P11212-4AMSprotected**

Structure:



Composition:

Mn x 10 ³ 4AMS-Proteted	Mw/Mn (PDI)
12.0	1.4

Synthesis Procedure:

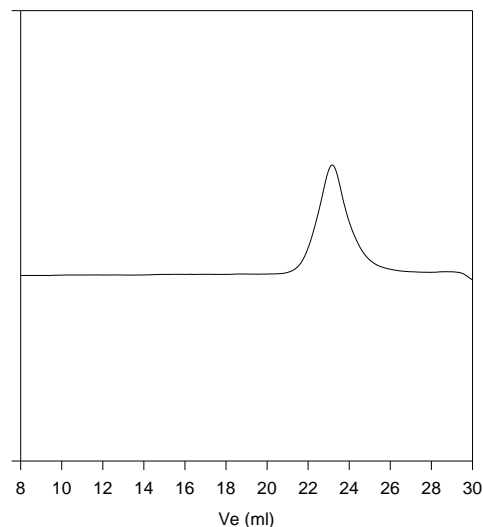
By anionic process:

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 ¹H-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 CdCl₃ for the amino protected group with trimethyl silyl groups. Block copolymer PDI is determined by SEC.

Figure: SEC profile of the block copolymer

P11212-4AMS (protected amino group)



Size exclusion chromatography of
— 4-NN-Bis Trimethyl silyl amino methyl styrene, M_n=12,000 Mw= 17,000 PI=1.4