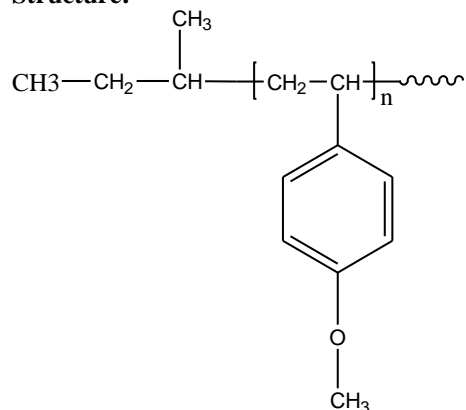


Sample Name: **Poly(4-methoxy styrene)**

Sample #: **P4402-4MeOS**

Structure:



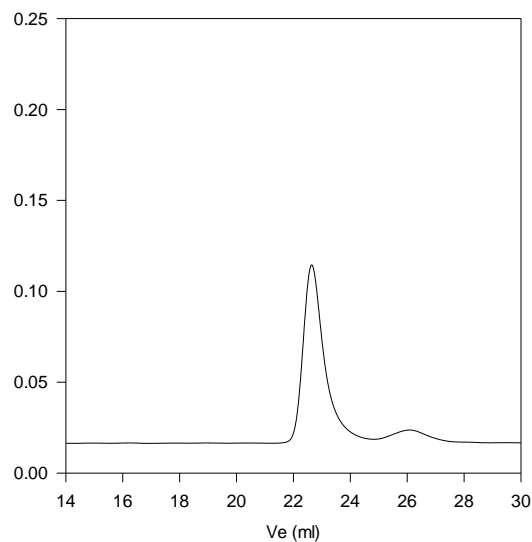
n: about 5

Composition:

Mn x 10 ³	PDI
68	1.08

SEC of Homopolymer:

P4402-4MeOS

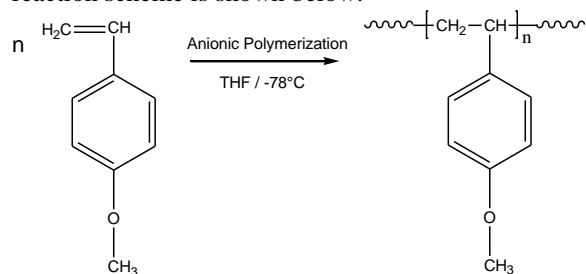


Size exclusion chromatography of poly(4-methoxy styrene):

M_n=68000, M_w=73500, PI=1.08

Synthesis Procedure:

Poly(4-methoxy styrene) is synthesized by living anionic polymerization of 4-methoxy styrene and the reaction scheme is shown below.



Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography and from HNMR.

Solubility:

Poly(4-methoxy styrene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.