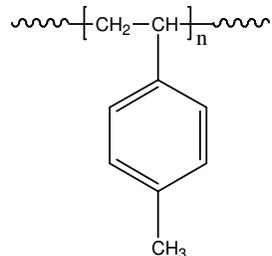


Sample Name: Poly(4-methyl styrene)

Sample #: P1336-4MeS

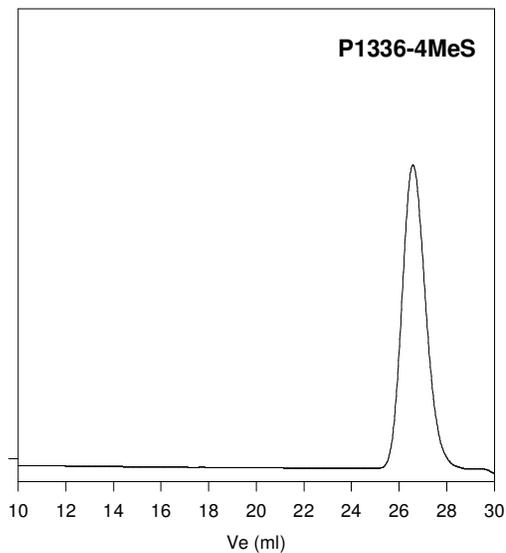
Structure:



Composition:

$M_n \times 10^3$	PDI
0.8	1.13

SEC of Homopolymer:

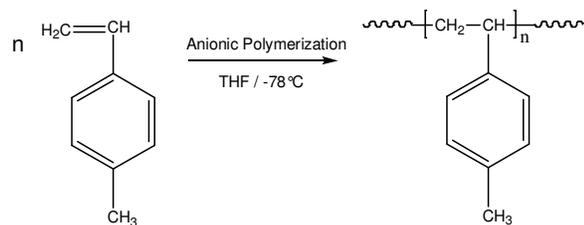


Size Exclusion Chromatograph of Poly(4-methylstyrene)

$M_n=800$, $M_w=900$, $M_w/M_n=1.13$

Synthesis Procedure:

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



Characterization:

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

Solubility:

Poly(4-methyl styrene) is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.