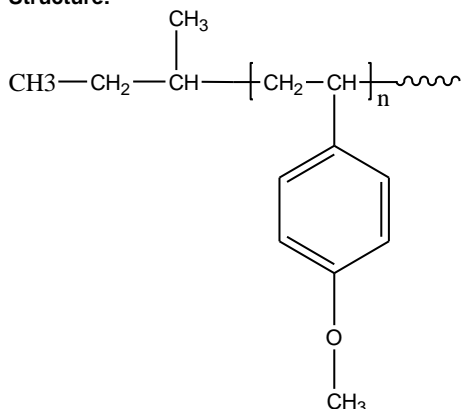


Sample ID: P18409-4MeOS

Sample Name: Poly(4-methoxy styrene)

Sample #: P18409-4MeOS

Structure:

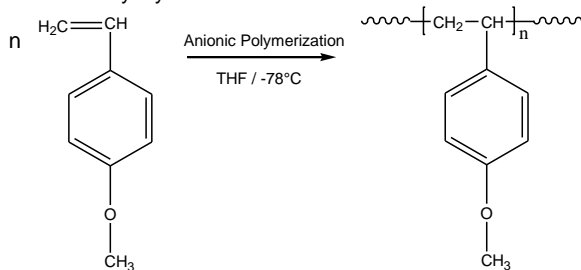


Composition:

Mn x 10 ³	PDI
4.0	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.

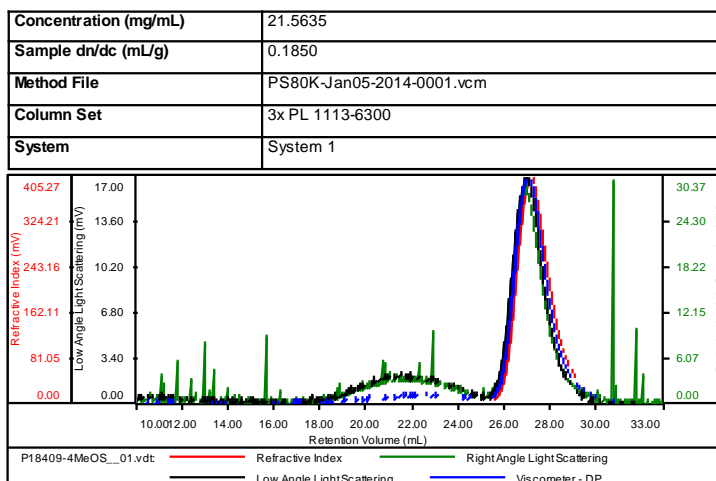


Characterization:

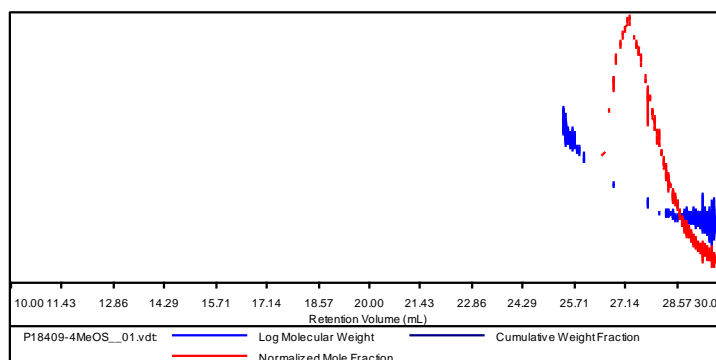
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography and from HNMR.

Solubility:

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



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18409-4MeOS_01.vdt	4,171	4,507	4,514	1.081	0.0553



SEC of Homopolymer: