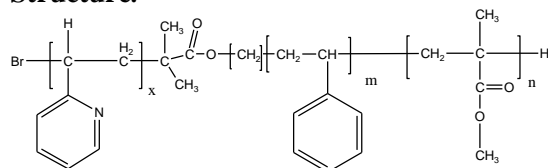


Sample Name: Poly(2-Vinylpyridine-b-styrene-b-methylmethacrylate)

Sample #: P18282-2VPSMMA

Structure:

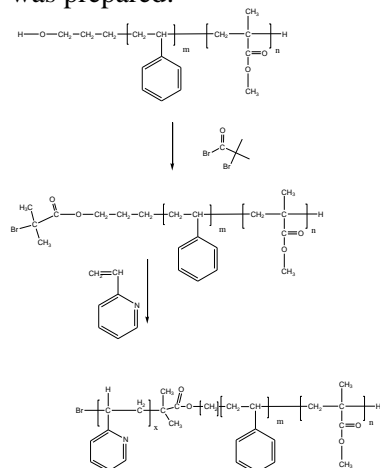


Composition:

Mn x 10 ³ P2VP-b-PS-b-PMMA	PDI
15.0-b-21.0-b-43.00	1.21

Synthesis Procedure:

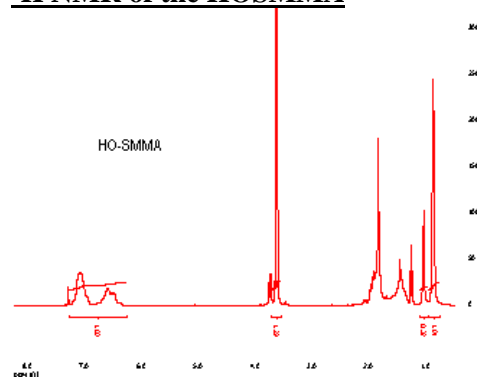
The following reaction scheme shows how the product was prepared:



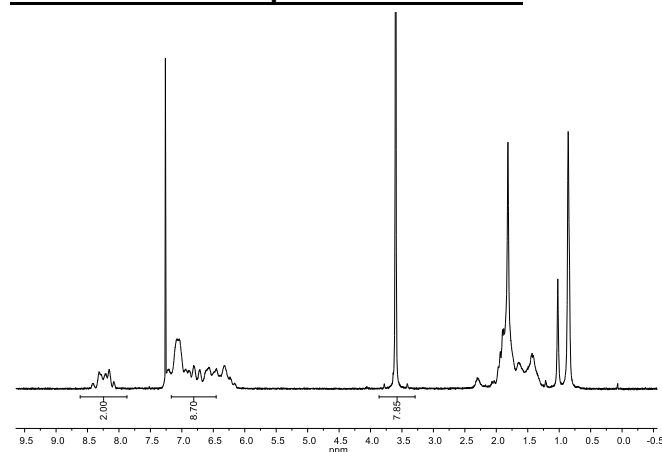
Characterization:

The product was characterized by size exclusion chromatography (SEC). Chemical composition was confirmed from proton NMR.

¹H NMR of the HOSMMA

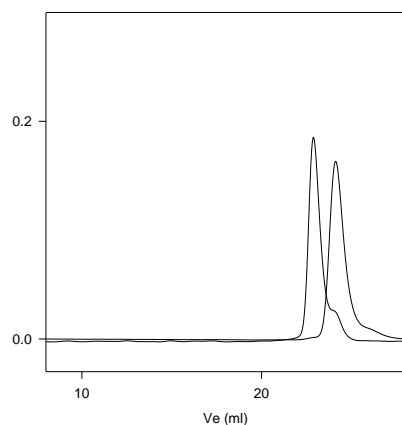


¹H NMR of the final product 2VPSMMA



SEC profile of HOSMMA

P18182-HOSMMA

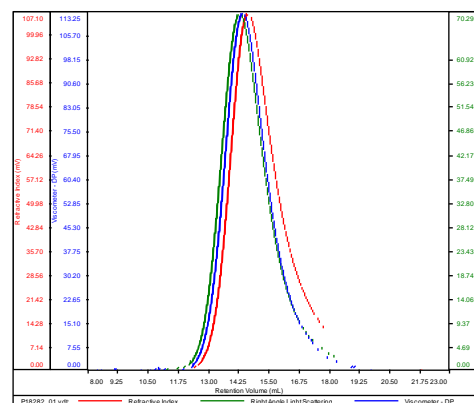


— Polystyrene, M_n=21,000, M_w=23,900, PI=1.14
— Block Copolymer PS(21,000)-b-PMMA(43,000), PI=1.16

SEC elugram of the Sample

P18282

Conc	8.0508
dn/dc	0.1300
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80X_2018-04-02-0000_vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18282_01.vst	78,931	95,249	93,675	1.207	0.3574