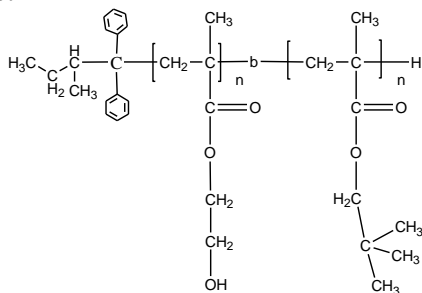


Sample Name: Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

Sample #: P19478P-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	M_w/M_n
270.0-b-5.0	1.52
HEMA:NPMA	3:97 molar ratio

T_g for NPMA block:	119°C
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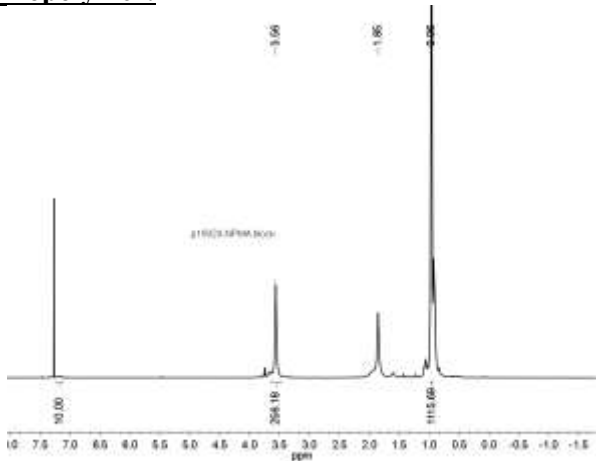
Synthesis:

The polymer was synthesized by anionic polymerization process.

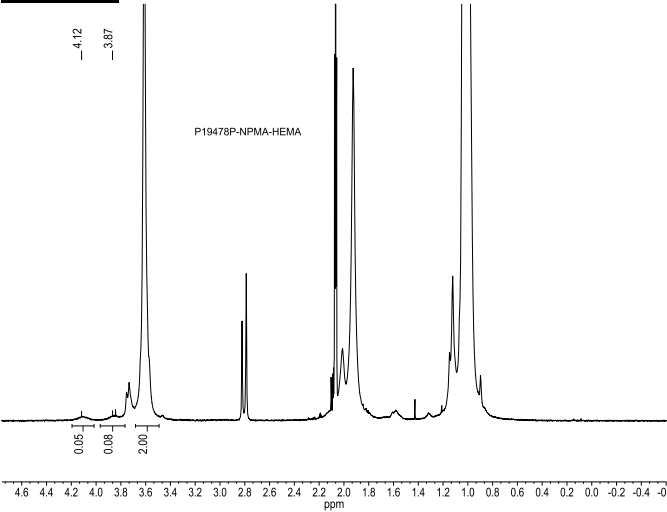
Characterization:

The polymer was characterized by size exclusion chromatography (SEC) and hydrogen NMR (^1H NMR).

^1H NMR (500 MHz, CDCl_3) of PNPMA homopolymer:



^1H NMR (500 MHz, acetone-d_6) of PNPMA-PHEMA:

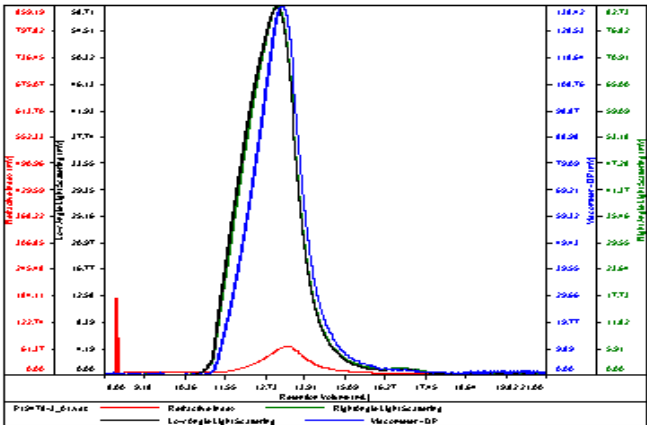


SEC elugram of HEMATMS-NPMA diblock

copolymer (run in DMF at 60°C):

SAMPLE ID: P19478-NPMAHEMA

Conc (mg/mL)	5.1307
dn/dc (mL/g)	0.0660
Method	psSEC-July252015-00000.um
Solvent	DMF w/ 0.03M LiBr
Column	PSS



Sample	M_n	M_w	M_p	M_w/M_n	IV
P19478-3_01(101).umd	275,570	420,480	430,700	1.526	0.3875