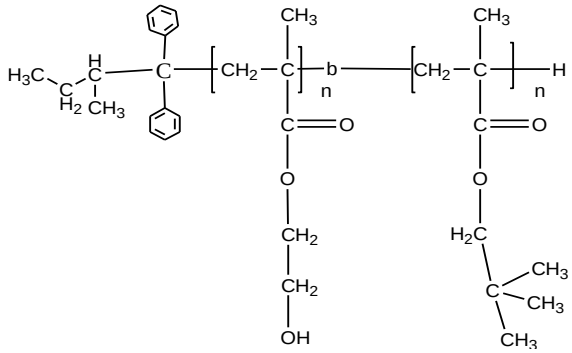
Sample Name: **Poly (2-hydroxyethyl methacrylate)-b-neopentyl methacrylate)**

Sample #: **P19816-HEMANPMA**

Structure:



Composition:

Mn × 10^3 HEMA-b-NPMA	Mw/Mn
5.0-b-585.0	1.11

HEMA:NPMA	4:96 molar ratio

T_g for NPMA block:	119°C

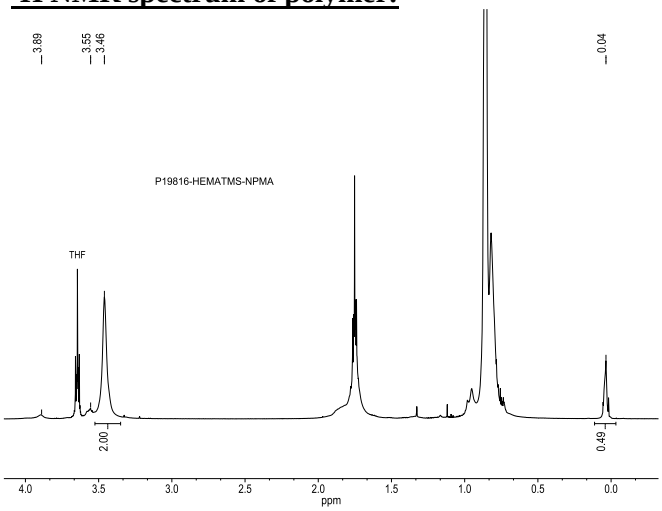
Synthesis:

The polymer was synthesized by anionic polymerization process.
In this batch HEMATMS monomer polymerized first followed by NPMA monomer

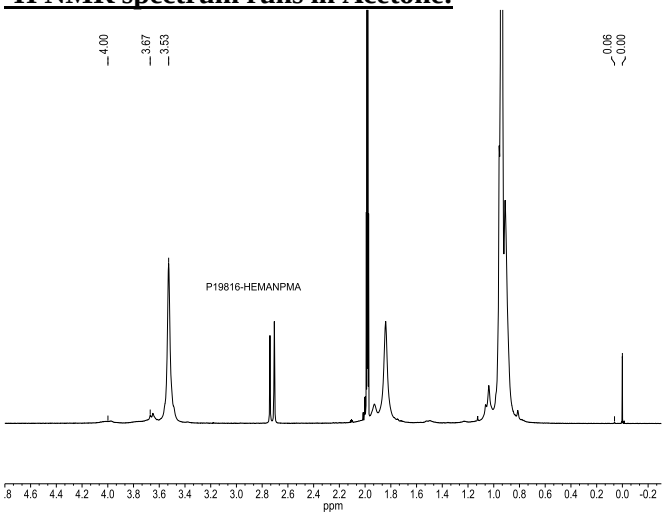
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

^{1}H NMR spectrum of polymer:



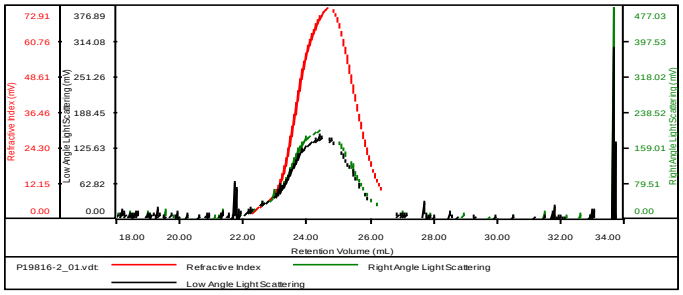
^{1}H NMR spectrum runs in Acetone:



SEC of HEMATMS-NPMA in THF:

Sample ID-P19816-HEMATMSNPMA

Concentration (mg/mL)	1.1270
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-March2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P19816-2_01.vdt	590,505	656,688	1.112	10.0013	60.37	24.628