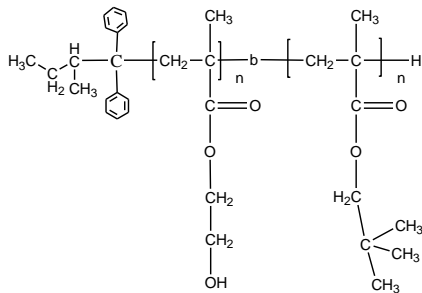


Sample Name: Poly (2-hydroxyethyl methacrylate)-b-neopentyl methacrylate)

Sample #: P19492P-HEMANPMA

Structure:



Composition:

Mn × 10 ³ HEMA-b-NPMA	Mw/Mn
16.0-b-465.0	1.2
HEMA:NPMA	4:96 molar ratio
HEMA:NPMA	5:95 Wt , ratio
T _g for NPMA block:	119°C

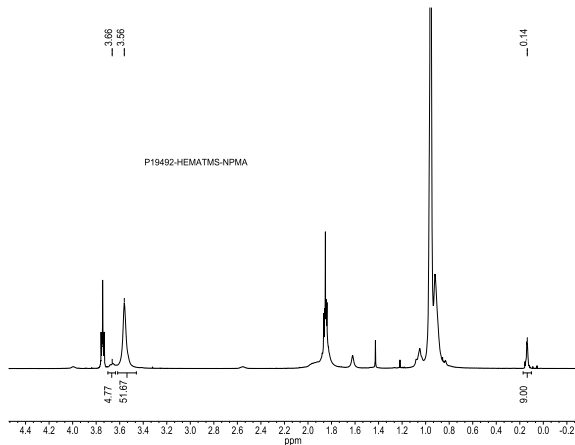
Synthesis:

The polymer was synthesized by anionic polymerization process.

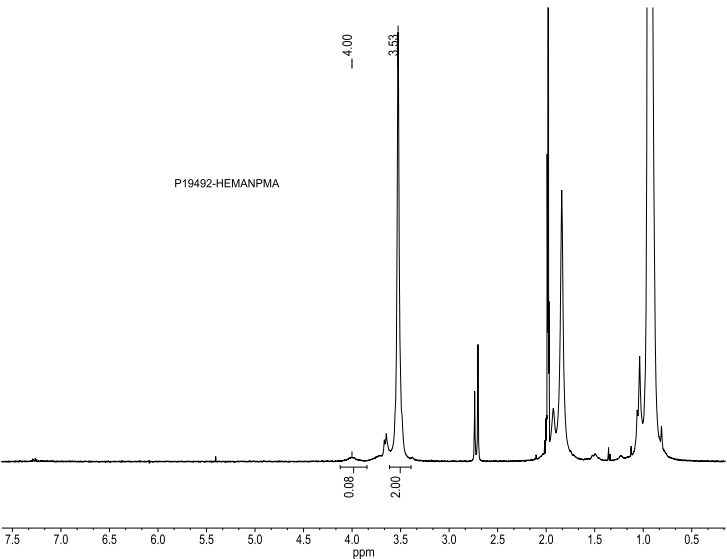
Characterization:

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

¹H NMR (acetone-d₆) of HEMATMSNPMA:



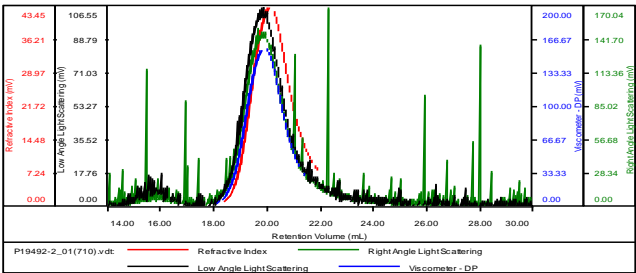
¹H NMR (acetone-d₆) of HEMANPMA:



SEC elugram of HEMATMSNPMA in THF at 60°C:

Sample ID-P19492-HEMATMS-NPMA

Concentration (mg/mL)	0.0668
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19492-2_01(710).vdt	489,191	584,170	537,504	1.194	6.3985