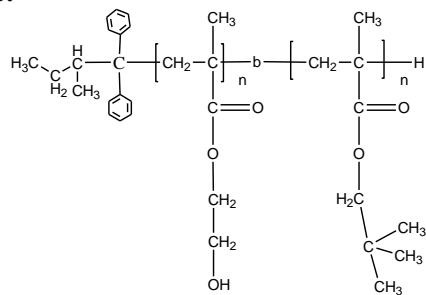


Sample Name: Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

Sample #: P19797-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b- NPMA	Mw/Mn
1.5-b-82.0	1.11

HEMA:NPMA	2:98 molar ratio
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T_g for NPMA block:	119°C
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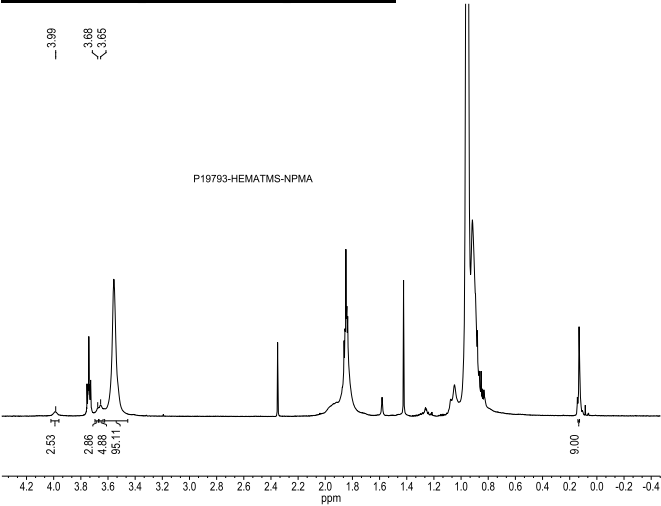
Synthesis:

The polymer was synthesized by anionic polymerization process.

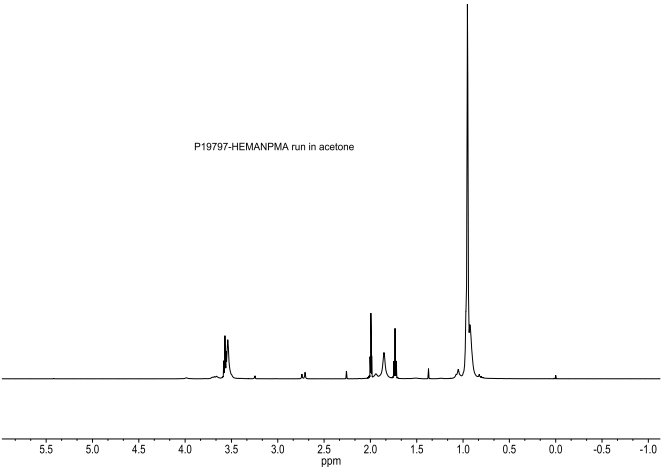
Characterization:

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

^1H NMR spectrum of polymer:



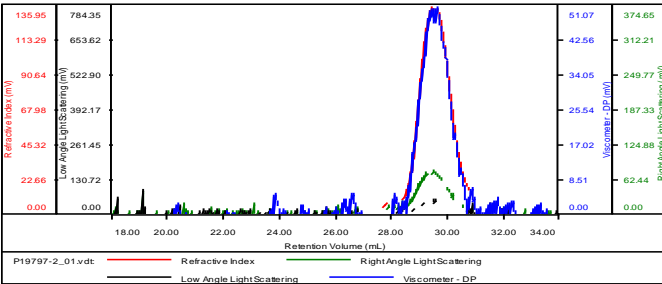
^1H NMR spectrum in Acetone:



SEC elugram of HEMATMS-NPMA in THF:

Sample ID-P19797-2-HEMATMS-NPMA

Concentration (mg/mL)	1.4530
Sample dn/dc (mL/g)	0.0800
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)
P19797-2_01.v dt	83,701	92,902	1.110	1.8978	17.78	29.510