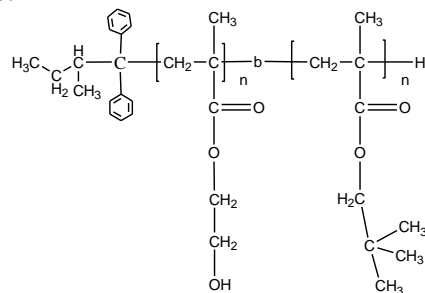


Sample Name: Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

Sample #: P19799- HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
2.0-b-95.0	1.05

HEMA:NPMA	4:96 molar ratio
-----------	------------------

T _g for NPMA block:	119°C
--------------------------------	-------

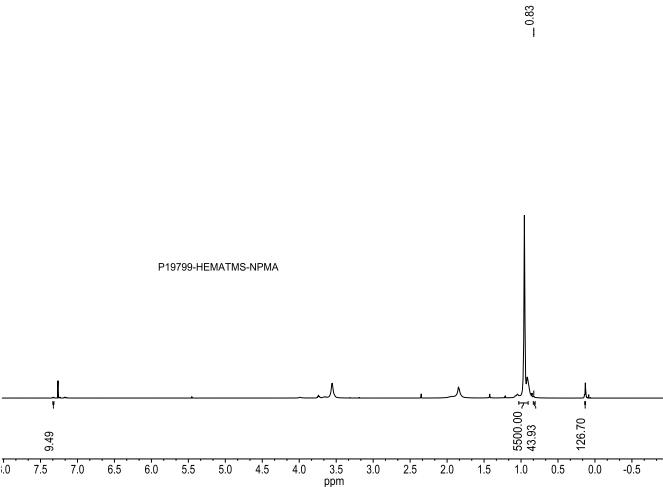
Synthesis:

The polymer was synthesized by anionic polymerization process.

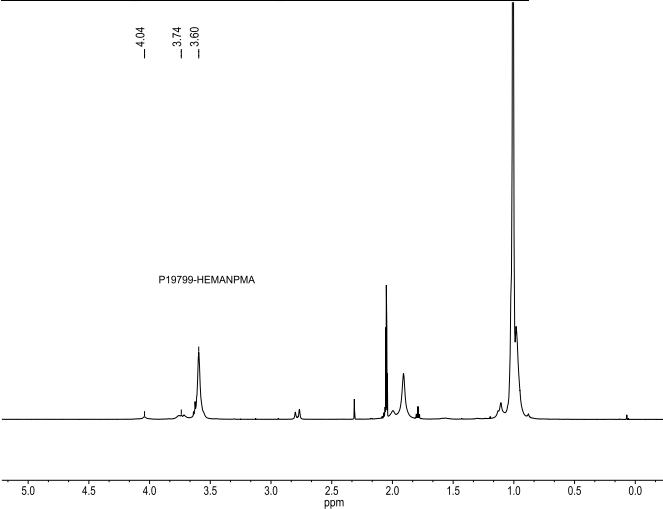
Characterization:

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

¹H NMR spectrum of the First Block:



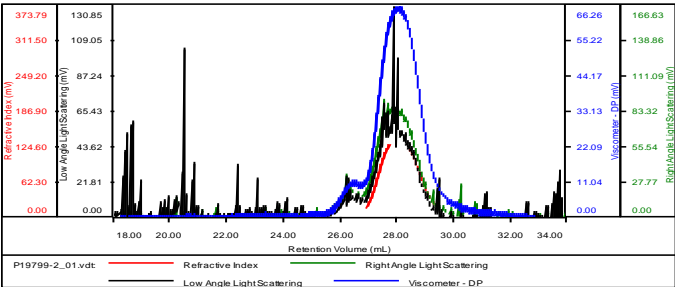
¹H NMR spectrum of polymer in Acetone:



SEC elugram of HEMATMS-NPMA in THF at 60°C:

Sample ID-P19799-HEMATMS-NPMA

Concentration (mg/mL)	1.6070
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)
P19799-2_01.v dt	97,074	101,841	1.049	3.0626	22.04	27.987