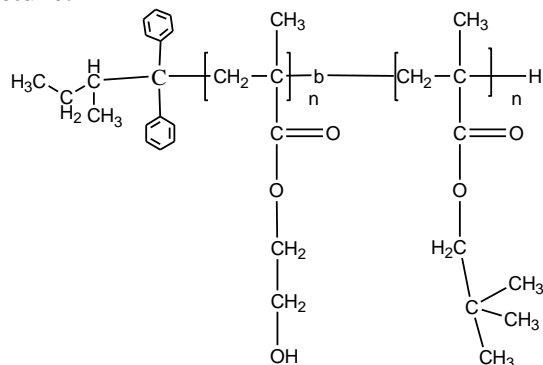


**Sample Name:** Poly (2-hydroxyethyl methacrylate)-  
b-neopentyl methacrylate)

**Sample #:** P40111-HEMANPMA

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup> HEMA-b-NPMA	Mw/Mn
8.0-b-80.0	1.08

HEMA:NPMA	5:95 molar ratio
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T <sub>g</sub> for NPMA block:	119°C
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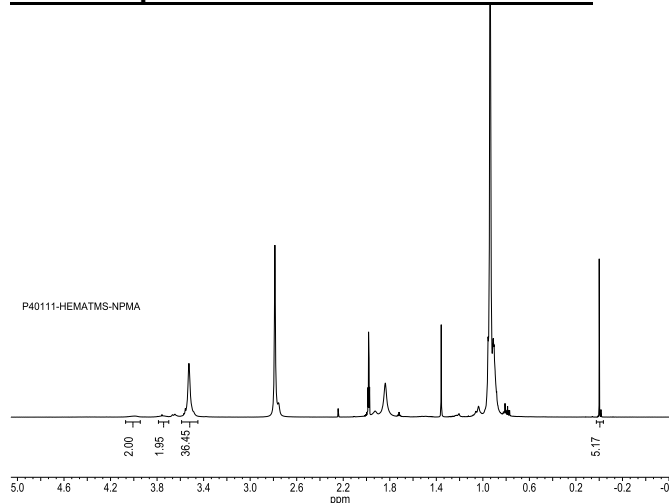
**Synthesis:**

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

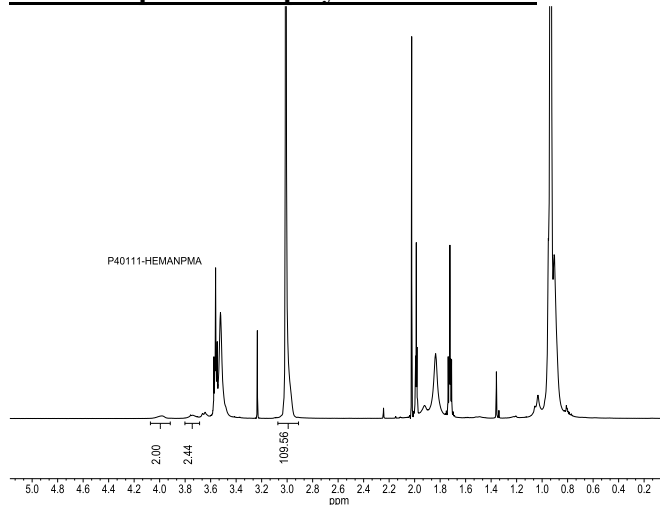
**Characterization:**

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

**<sup>1</sup>H NMR spectrum of the HEMATMS-NPMA:**



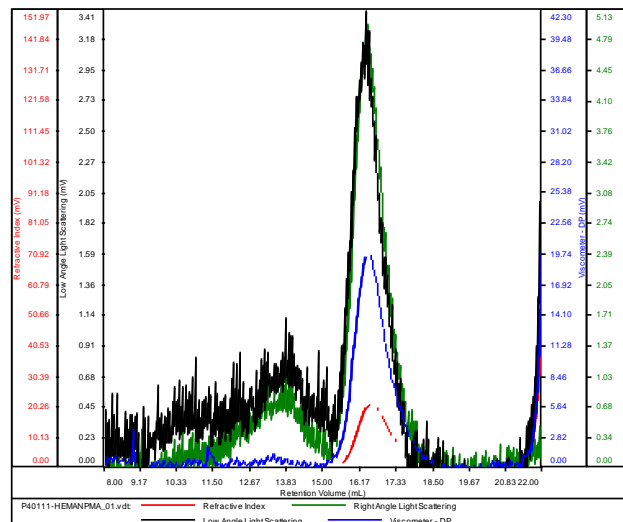
**<sup>1</sup>H NMR spectrum of polymer in Acetone:**



**SEC elugram of HEMANPMA in DMF at 60°C:**

P40111-HEMANPMA

Conc (mg/mL)	1.0170
dn/dc (mL/g)	0.0650
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40111-HEMANPMA_01.vdt	87,956	95,339	87,776	1.084	0.2621