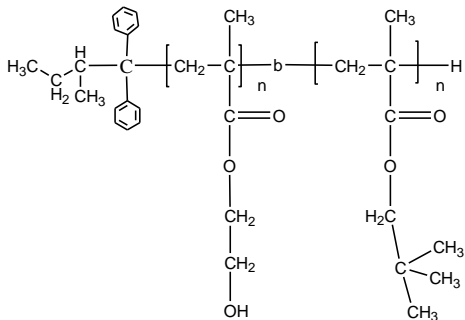


Sample Name: Poly (2-hydroxyethyl methacrylate)-  
b-neopentyl methacrylate)

Sample #: P40874A-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
5.0-b-340.0	1.08
HEMA:NPMA	4:96 molar ratio
T <sub>g</sub> for NPMA block:	119°C

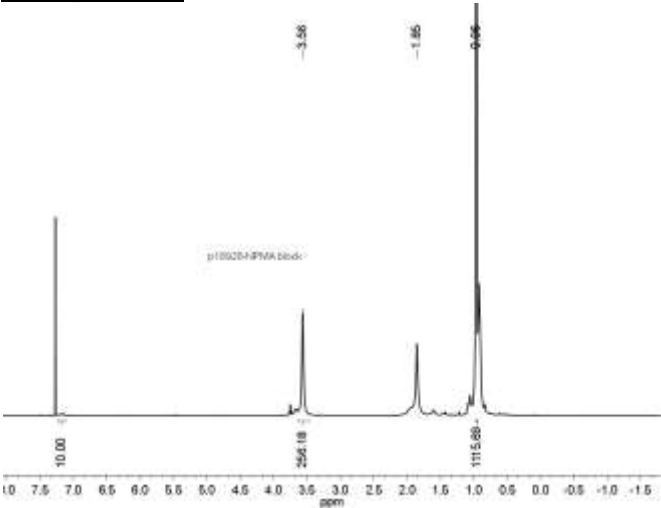
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

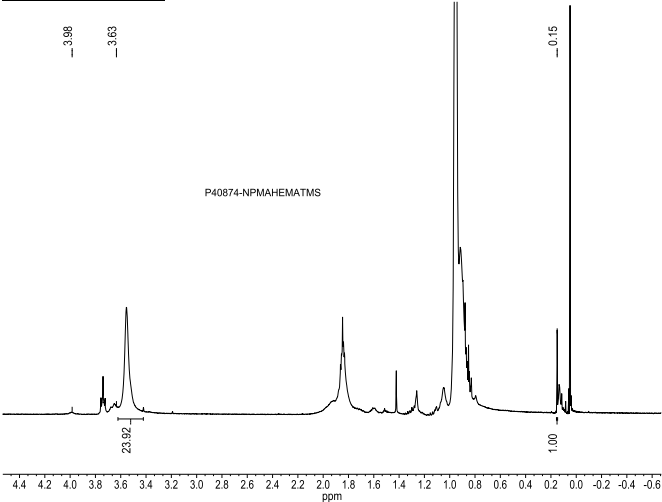
Characterization:

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

<sup>1</sup>H NMR spectrum (500 MHz, CDCl<sub>3</sub>) of NPMA  
homopolymer:



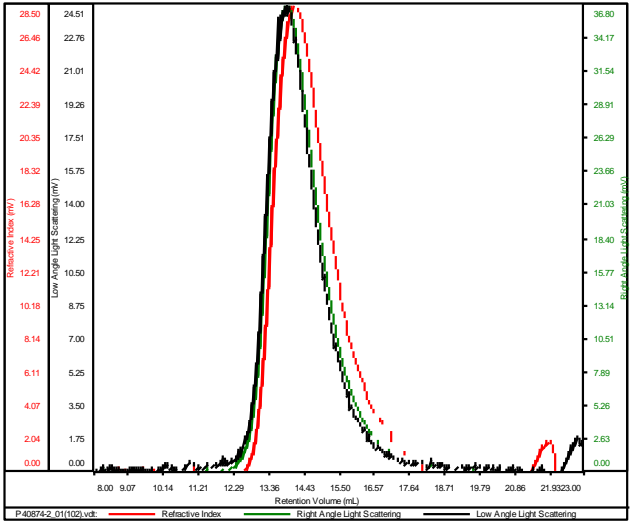
<sup>1</sup>H NMR (500 MHz, in CdCl<sub>3</sub>) of NPMA-  
HEMATMS:



SEC elugram of the polymer:

P40874-2

Conc	3.8217
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS90k-04Dec2017-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40874-2_01(102).vdt	346,630	375,763	391,395	1.084	0.4440