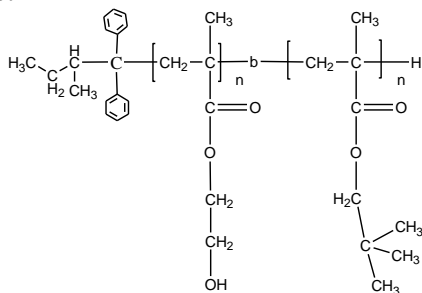


Sample Name: Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

Sample #: P40968-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	$M_w/M_n$
8.5-b-280.0	1.15

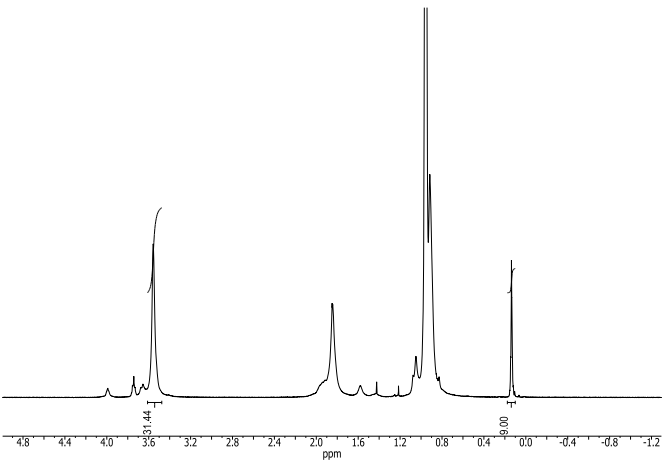
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process, followed by hydrolysis under acidic condition.

Characterization:

The polymer was characterized by  $^1\text{H-NMR}$  and size exclusion chromatography (SEC).

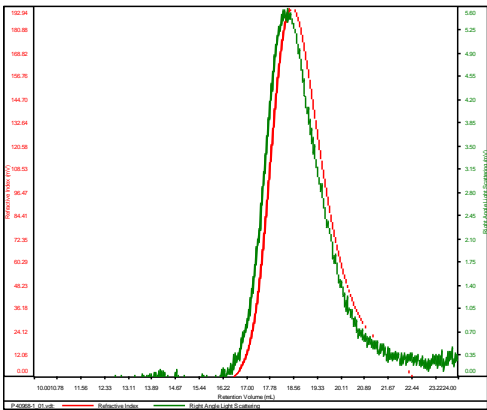
$^1\text{H NMR}$  (500 MHz, in  $\text{CdCl}_3$ ) of NPMA-HEMATMS:



SEC elugram of the first block:

P40968-1

Conc	24.1954
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-02-15-0000.vcm

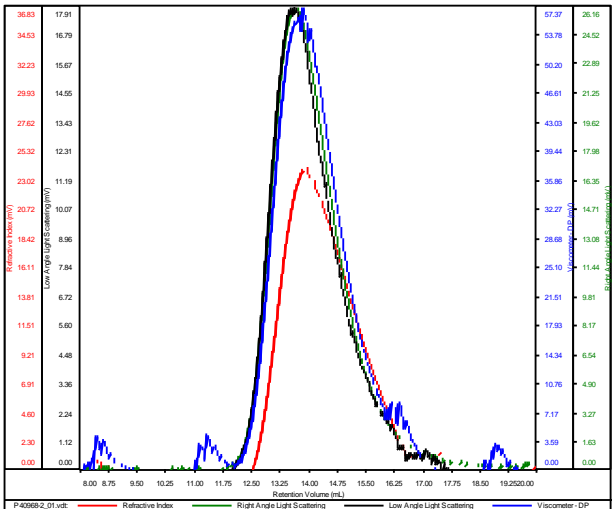


Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P40968-1_01.vdt	8,610	8,906	8,685	1.034	0.0622

SEC elugram of the Sample:

P40968-2

Conc	2.9556
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-02-15-0000.vcm



Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P40968-2_01.vdt	288,694	333,090	338,385	1.154	0.4493