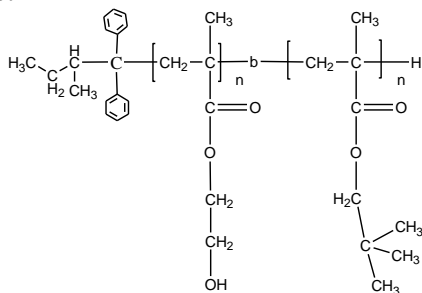


Sample Name: Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

Sample #: P40960-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	$M_w/M_n$
6.0-b-59.0	1.27

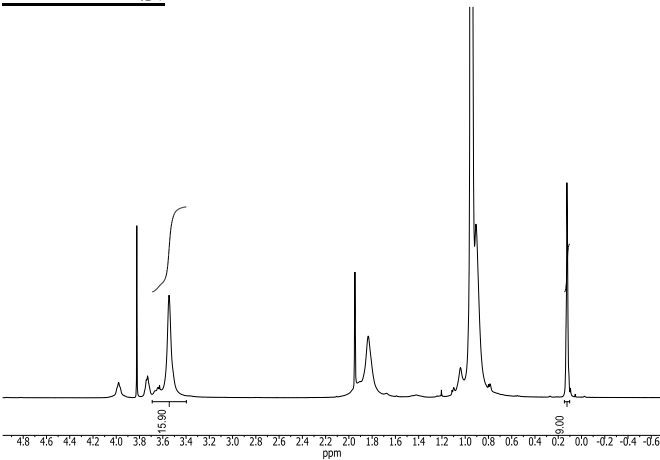
Synthesis:

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

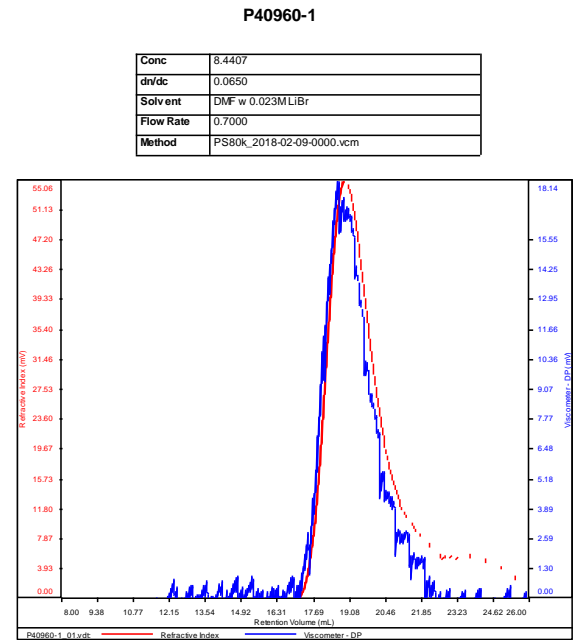
Characterization:

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:

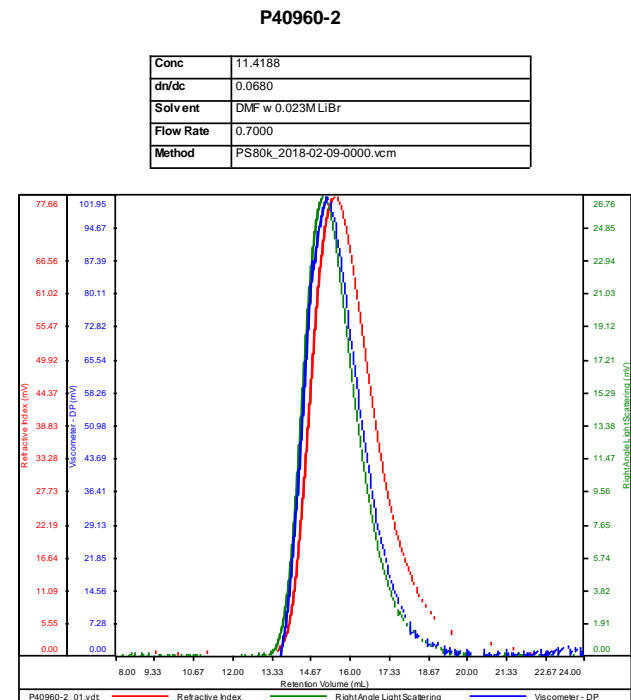


SEC elugram of the first block HEMATMS:



Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P40960-1_01.vdt	9,446	10,536	7,904	1.115	0.0937

SEC elugram of the HEMATMS-b-NPMA:



Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P40960-2_01.vdt	68,257	86,481	94,359	1.267	0.2278