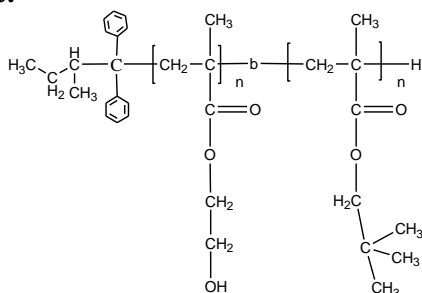


Sample Name: Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

Sample #: P41192-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	M_w/M_n
10.0-b-199.0	1.12

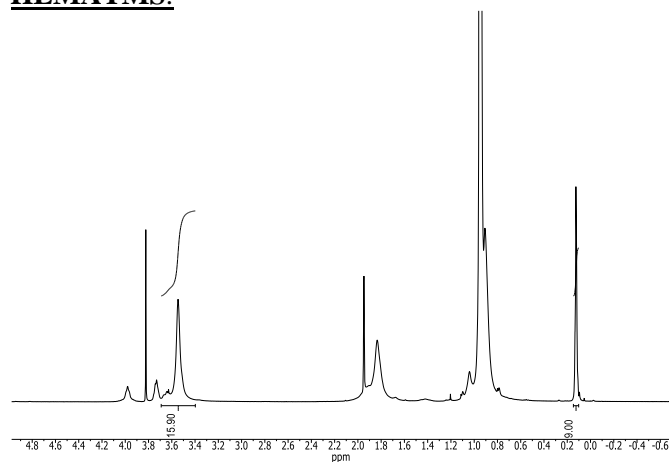
Synthesis:

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

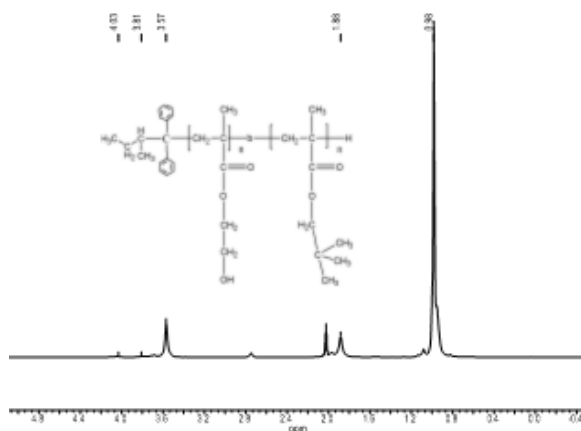
Characterization:

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

$^1\text{H NMR}$ (500 MHz, in CdCl_3) of NPMA-HEMATMS:



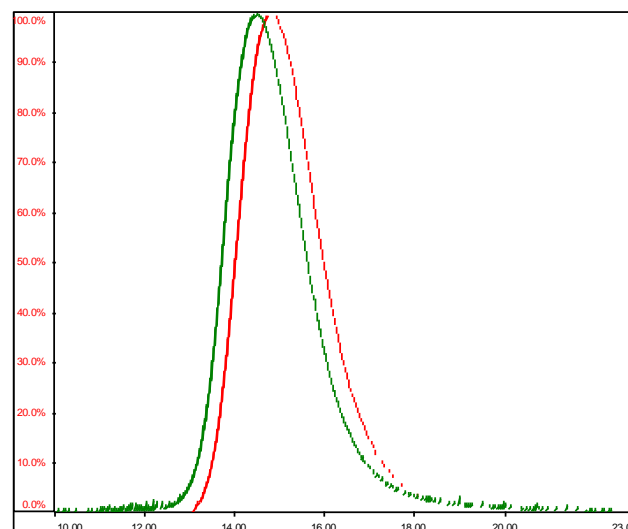
$^1\text{H NMR}$ spectrum of the Sample:



SEC elugram of the HEMA-b-NPMA:

P41192-2

Conc	7.2814
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41192-2_01.vdt	209,347	235,606	226,980	1.125	1.0545