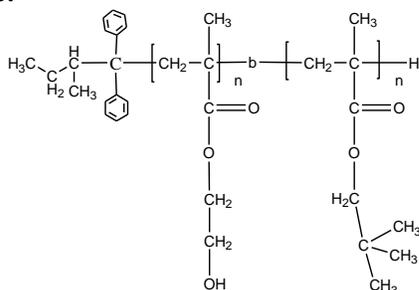


Sample Name: Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

Sample #: P41185-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	Mw/Mn
4.5-b-60.0	1.25

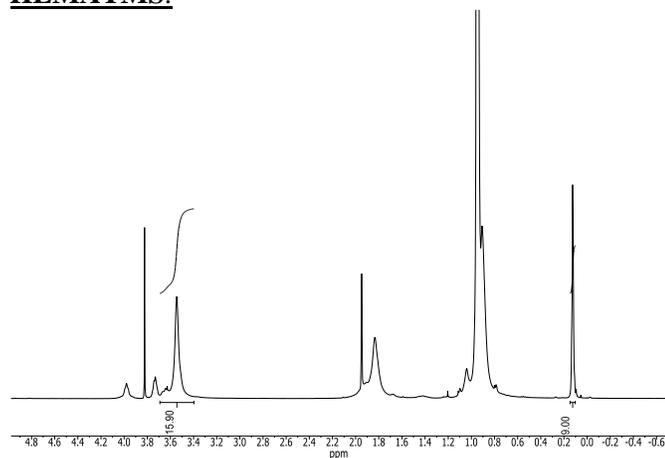
Synthesis:

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

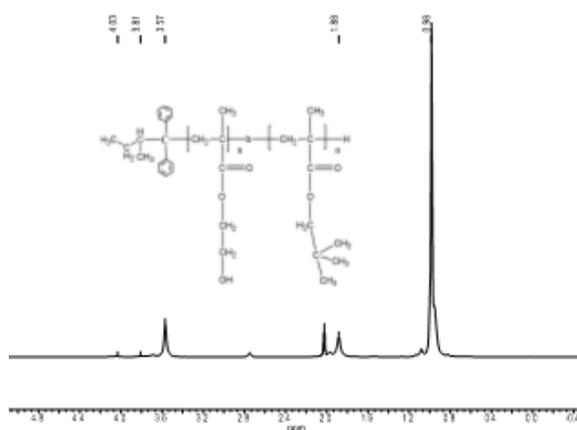
Characterization:

The polymer was characterized by ¹HNMR and size exclusion chromatography (SEC).

¹H NMR (500 MHz, in CdCl₃) of NPMA-HEMATMS:



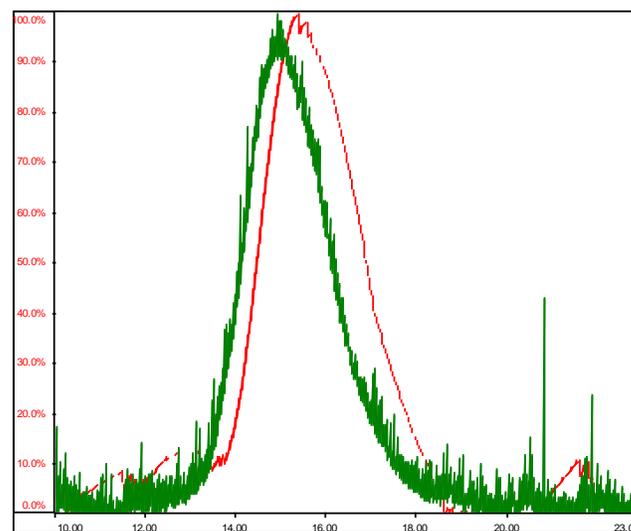
¹H NMR spectrum of the Sample:



SEC elugram of the HEMA-b-NPMA:

P41185-3

Conc	2.2602
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41185-3_01.vdt	64,645	81,235	82,113	1.257	0.6595