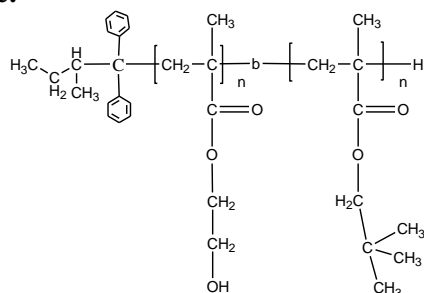


Sample Name: Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

Sample #: P41624F-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	M_w/M_n
3.0-b-35.0	1.08

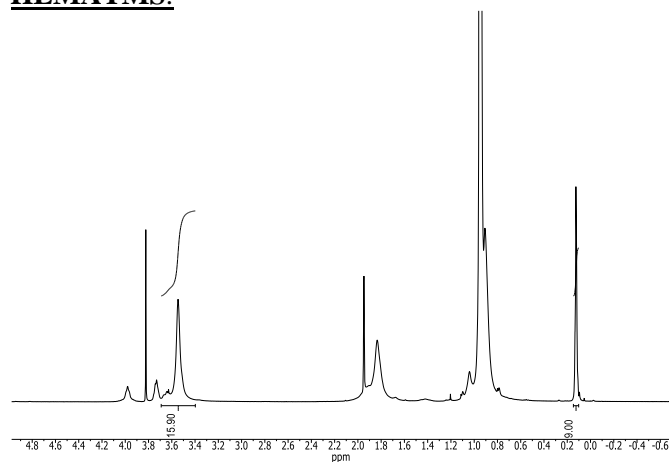
Synthesis:

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

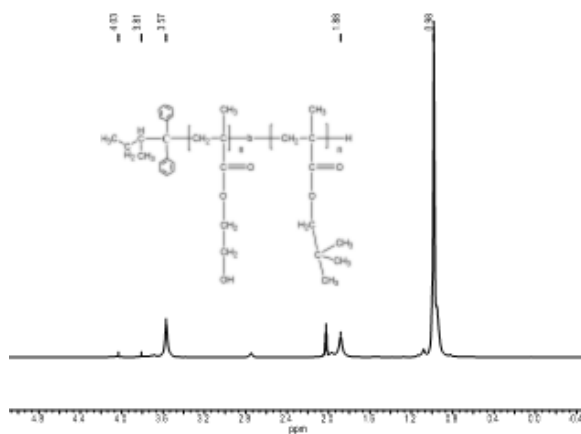
Characterization:

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:



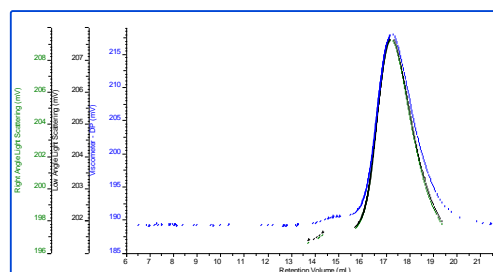
$^1\text{H NMR}$ spectrum of the Sample:



SEC elugram of the HEMA-b-NPMA:

P41624F

dn/dc	0.0570
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	M_n	M_w	M_z	IV	M_w/M_n
P412624-F_1_2019-0	38,034	41,101	47,505	0.0857	1.081