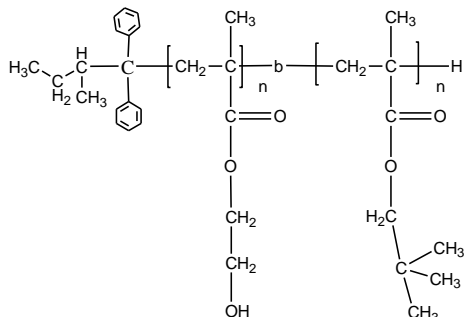


Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-poly (neopentyl methacrylate)

Sample #: P41644B-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-NPMA	Mw/Mn
10.0-b-80.0	1.27

HEMA: NPMA	5:95 molar ratio
T_g for NPMA block:	119°C

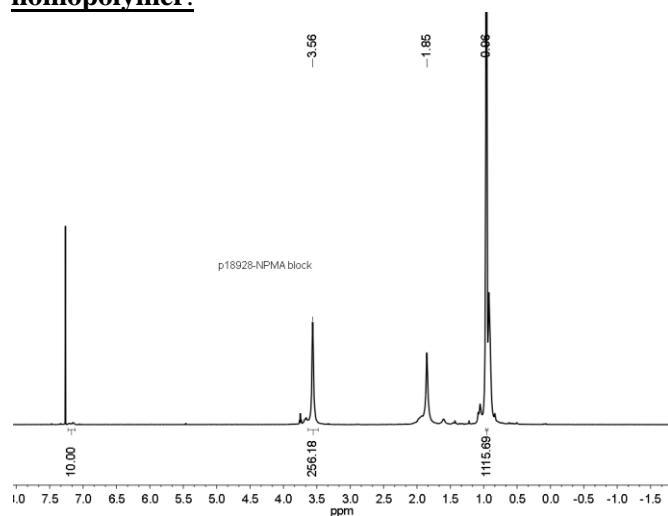
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

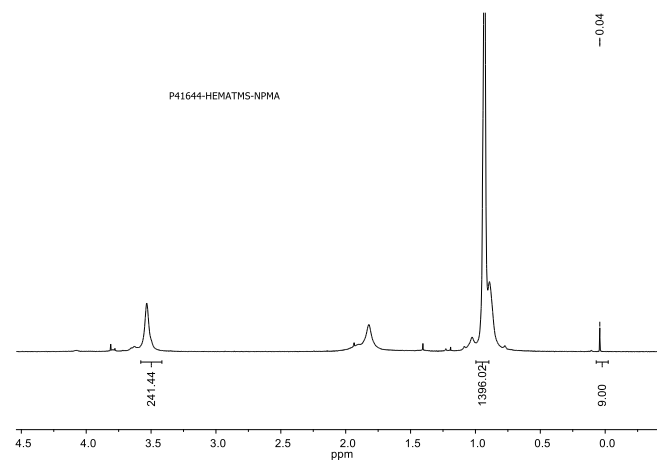
Characterization:

The polymer was characterized by ^1H -NMR and size exclusion chromatography (SEC).

^1H NMR (500 MHz, CDCl_3) of NPMA homopolymer:



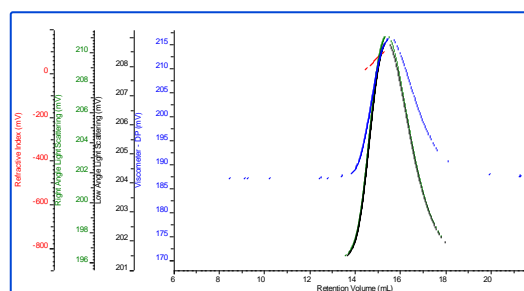
^1H NMR (500 MHz, acetone-d_6) of NPMA-HEMATMS:



SEC elugram of the polymer:

P41644B-HEMANPMA

dn/dc	0.0600
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41644-B_1_2019-01	90,585	115,450	145,594	0.2405	1.275