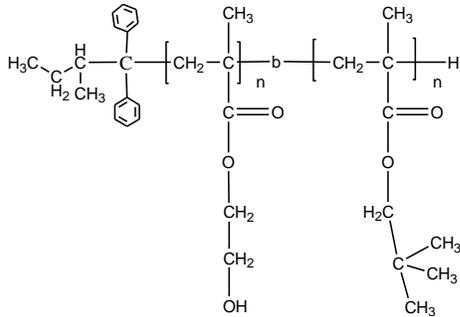


**Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-poly (neopentyl methacrylate)**

Sample #: P41843A-HEMANPMA

Structure:



Composition:

Mn × 10 ³ HEMA-NPMA	Mw/Mn
16.0-b-228	1.17

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

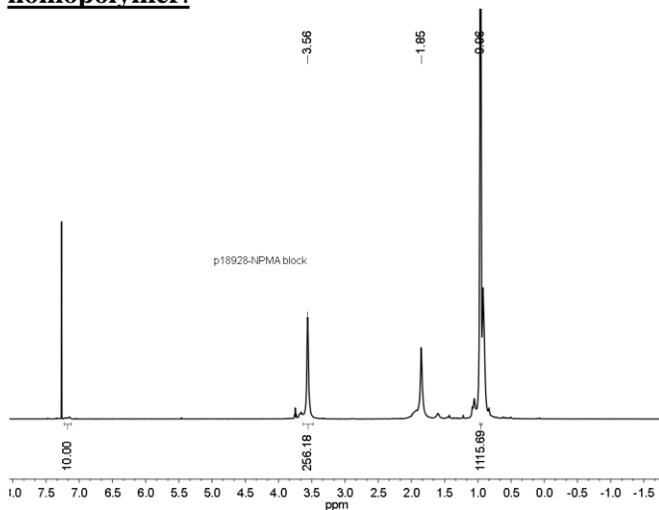
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

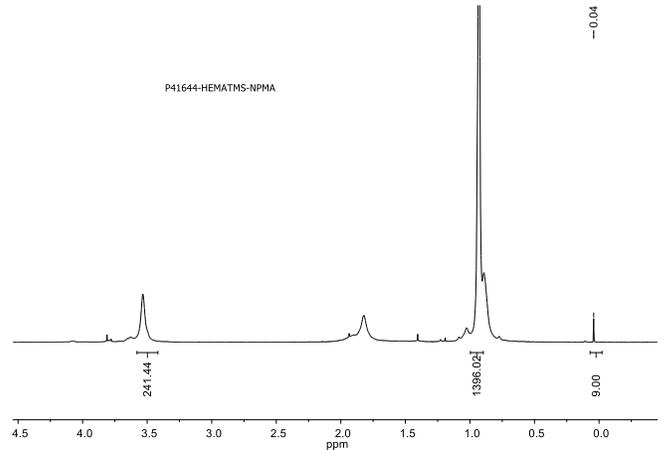
Characterization:

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

**¹H NMR (500 MHz, CDCl₃) of NPMA
homopolymer:**



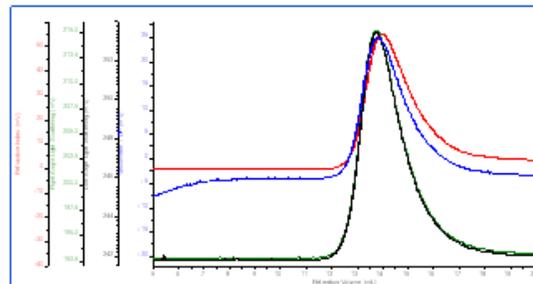
**¹H NMR (500 MHz, acetone-d₆) of HEMATMS-
NPMA:**



SEC elugram of the polymer:

-HEMANPMA

dn/dc	0.0650
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60 K-Jan3-2019-0003.vcm



Sample	Mn	Mw	Mp	Mw/Mn
HEMA NPMA_1_2019-	288,175	339,045	352,718	1.177