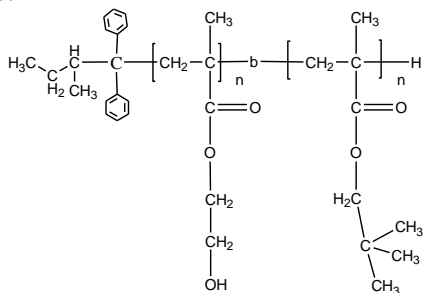


**Sample Name:** Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

**Sample #:** P40930-HEMANPMA

**Structure:**



**Composition:**

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
3.0-b-88.0	1.05

HEMA:NPMA	3:97 molar ratio
T <sub>g</sub> for NPMA block:	119°C

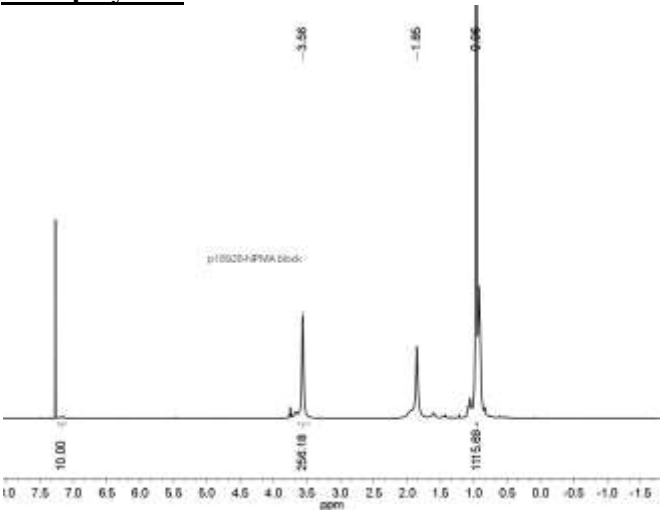
**Synthesis:**

The diblock copolymer was synthesized by anionic polymerization process.

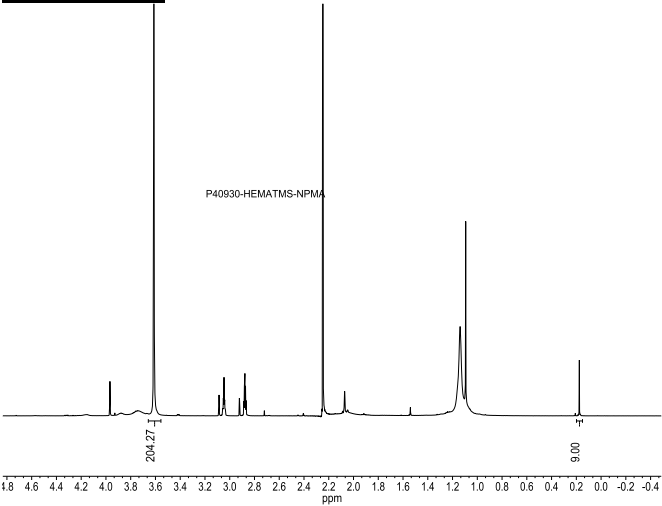
**Characterization:**

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

**<sup>1</sup>H NMR spectrum (500 MHz, CDCl<sub>3</sub>) of NPMA homopolymer:**



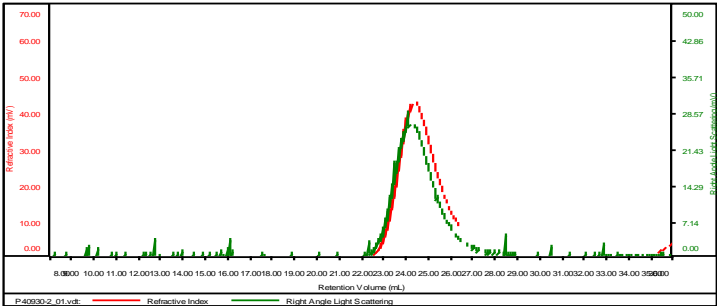
**<sup>1</sup>H NMR (500 MHz, in CdCl<sub>3</sub>) of NPMA-HEMATMS:**



**SEC elugram of the polymer:**

P40930-HEMA-TMS-NPMA

Concentration (mg/mL)	5.2435
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-jan-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40930-2_01.vdt	90,881	95,371	1.049	0.3246	98,833