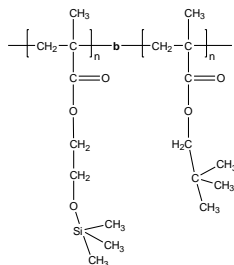


**Sample Name:** Poly (trimethylsiloxy-2-ethyl methacrylate)-b-poly (neopentyl methacrylate)

**Sample #:** P40874- HEMATMSNPMA

**Structure:**



**Composition:**

$M_n \times 10^3$ HEMATMS-b-NPMA	Mw/Mn
7.0-b-340.0	1.08

HEMA:NPMA	5:95 molar ratio
T <sub>g</sub> for NPMA block:	119°C

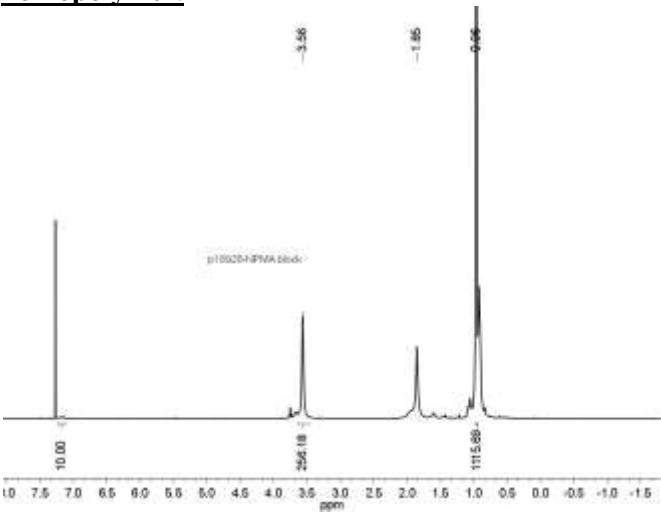
**Synthesis:**

The diblock copolymer was synthesized by anionic polymerization process.

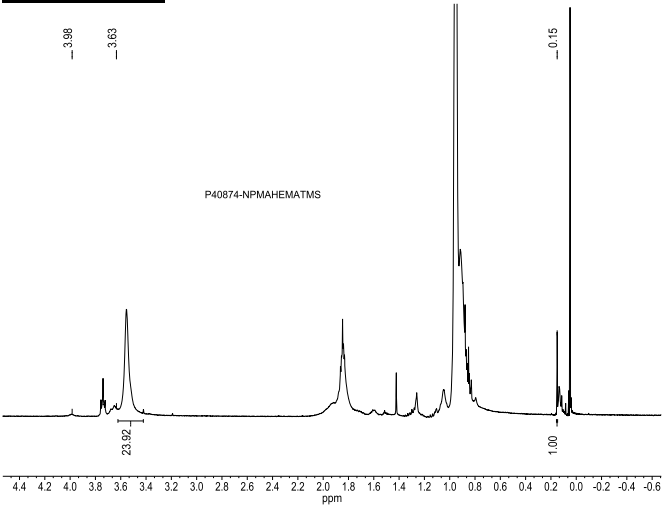
**Characterization:**

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:**

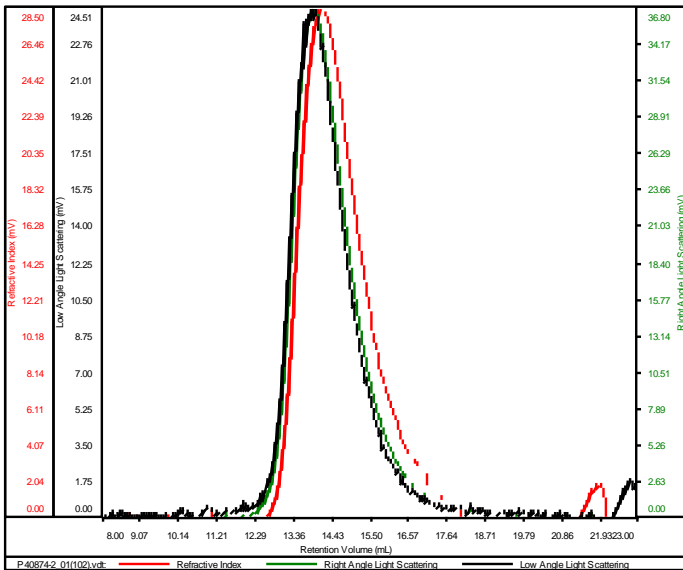


**<sup>1</sup>H NMR (500 MHz, in CdCl<sub>3</sub>) of NPMA-HEMATMS:**



**SEC elugram of the polymer:**  
P40874-2

Conc	3.8217
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-04Dec2017-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40874-2_01(102).vdt	346,630	375,763	391,395	1.084	0.4440