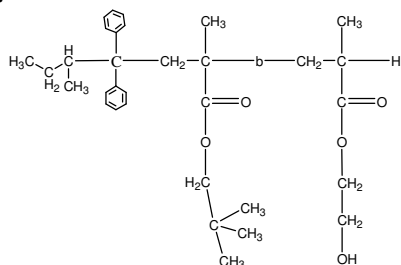


Sample Name: Poly(neopentyl methacrylate-b-[2-hydroxyethyl methacrylate])

Sample #: P19474P-NPMAHEMA

Structure:



Composition:

Mn × 10 ³ NPMA-b-HEMA	Mw/Mn
185.0-b-1.0	1.44

T _g for NPMA block:	119°C
--------------------------------	-------

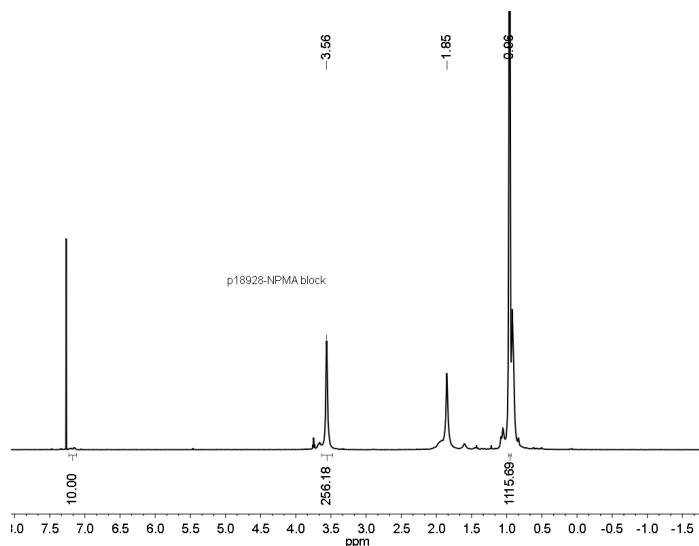
Synthesis:

The polymer was synthesized by anionic polymerization process.

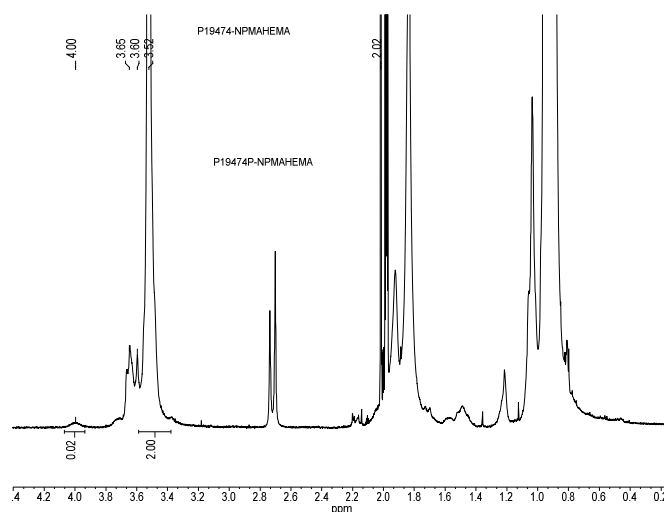
Characterization:

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

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



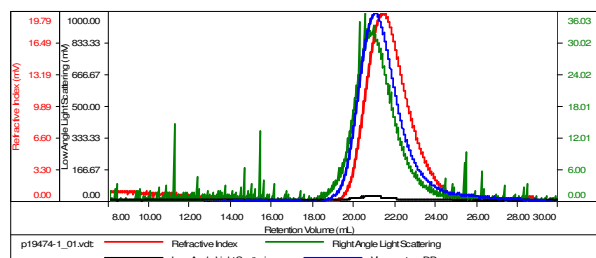
¹H NMR (500 MHz, acetone-d₆) of PNPMA-PHEMA:



SEC elugram of PNPMA homopolymer:

Sample ID: P19474-NPMA

Concentration (mg/mL)	0.5143
Sample dir/dc (mL/g)	0.0950
Method File	PS80K-June03-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF

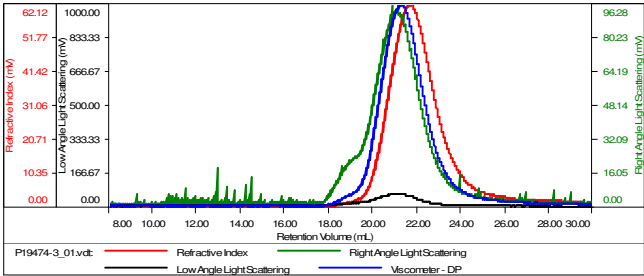


Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
p19474-1_01.vcl	185,533	251,003	225,604	1.33	3.5424

SEC elugram of PNPMA-PHEMATMS diblock copolymer:

Sample ID:P19474-NPMA-HEMA

Concentration (mg/mL)	1.8175
Sample dn/dc (mL/g)	0.0940
Method File	PS80K-June30.2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19474-3_01.vcl	165,369	268,448	207,412	1.448	3.2078