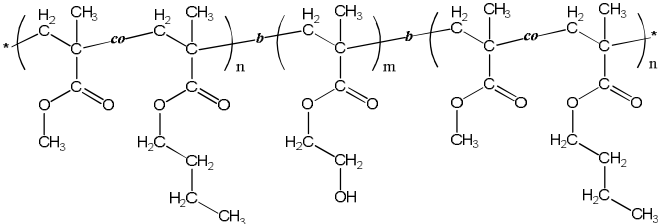


Sample Name: Poly(methyl methacrylate –*co*_{random}– n-butyl methacrylate –*b*– 2-hydroxyethyl methacrylate –*b*– methyl methacrylate –*co*_{random}– n-butyl methacrylate)

Sample # P19539-MMAAnBuMAran-b-HEMA-b-MMAAnBuMAran

Structure:



Composition:

Mn × 10 ³	PDI
MMAAnBuMAran-b-HEMATMS-b-MMAAnBuMAran 36.0–b–58.0–b–28.0	1.36
MMAAnBuMAran-b-HEMA-b-MMAAnBuMAran 36.0–b–37.0–b–28.0	

MMA:nBuMA, mol%	52:48
MMA:nBuMA, wt%	58:42

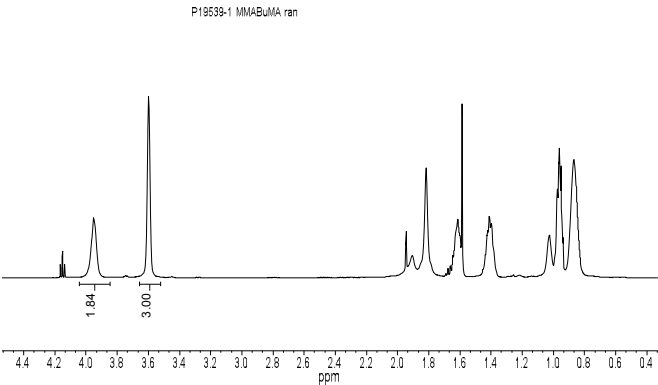
Synthesis procedure:

The polymer was prepared by anionic process by sequential addition of monomers.

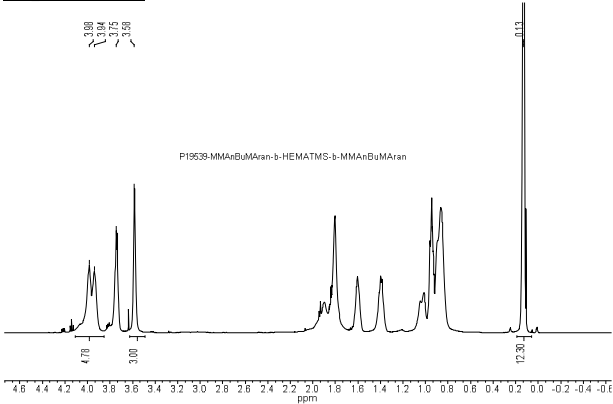
Characterization:

The molecular structure of the polymer was analyzed by ¹H NMR. Molecular weight and polydispersity index were determined by size exclusion chromatography (SEC) performed in THF and DMF.

¹H NMR spectrum of the first block:



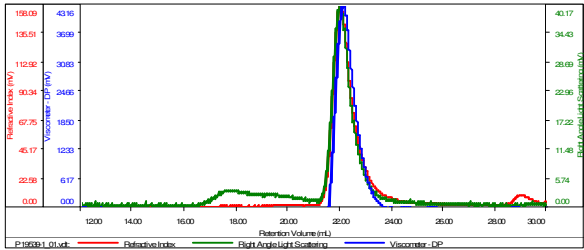
¹H NMR spectrum of TMS-protected triblock copolymer:



SEC of the first block:

Sample ID-P19539-1 MMAAnBUMAran first Block

Concentration (mg/mL)	1.7004
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF

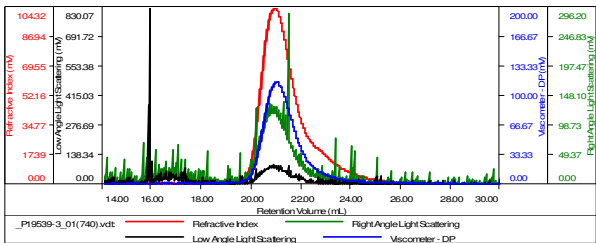


Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19539-1_01.vct	35,745	36,228	37,594	1.014	0.6071

SEC of TMS-protected triblock copolymer:

Sample ID-P19539-3

Concentration (mg/mL)	2.0270
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)
P19539-3_01(740).vct	122,191	165,240	182,674	1.352	2.3947