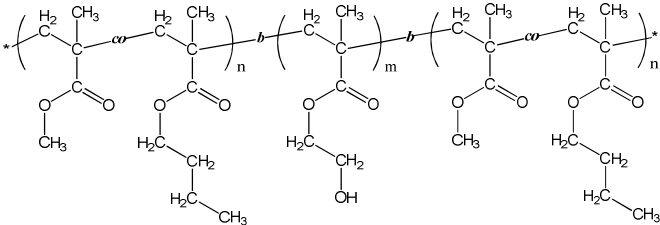


Sample Name: Poly (Methyl methacrylate-co-n-Butyl methacrylate random-b-2-Hydroxy ethyl methacrylate-b-Methyl methacrylate-co-n-Butyl methacrylate random)

Sample #: P40391-MMANBuMAran-b-HEMA-b-MMANBuMAran

Structure:



Composition:

$M_n \times 10^3$	PDI
MMANBuMAran-b-HEMATMS-b- MMANBuMAran 26.0-b-227.0-b-26.0	1.55
MMANBuMAran-b-HEMA-b- MMANBuMAran 26.0-b-145.0b-26.0	

MMA:nBuMA (mol%):	52:48
MMA:nBuMA (wt%)	58:42

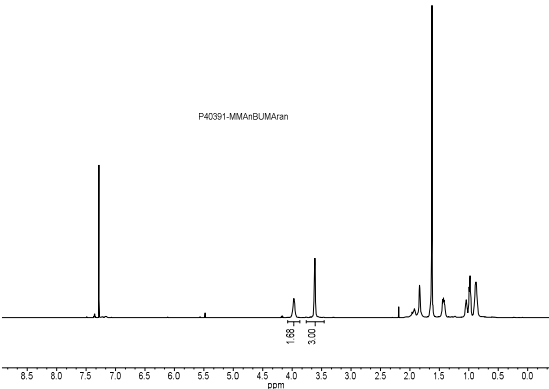
Synthesis Procedure:

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

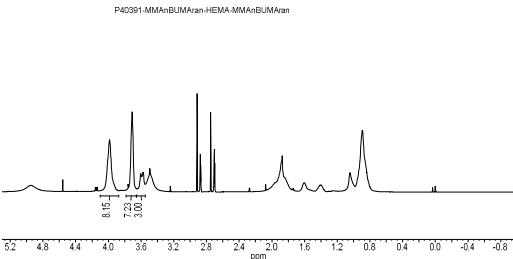
Characterization:

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

¹H NMR of the First Block

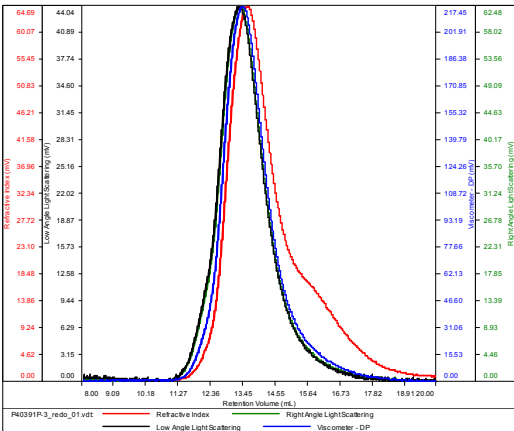


¹H-NMR of the MMANBuMAran-b-HEMA-b-MMANBuMAran tri block:



SEC of the triblock copolymer:
MMA-nBuMAran-HEMA-MMANBuMAran
P40391P-MMANBuMAran-HEMA-MMANBuMAran

Conc (mg/mL)	13.7099
dn/dc (mL/g)	0.0650
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40391P-3_redo_01.vdt	197,209	311,247	342,626	1.578	0.3266