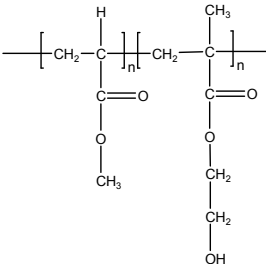


Sample Name:
Poly (methyl acrylate-b-2-Hydroxy ethyl methacrylate)

Sample #: P40299B-MAHEMA

Structure:



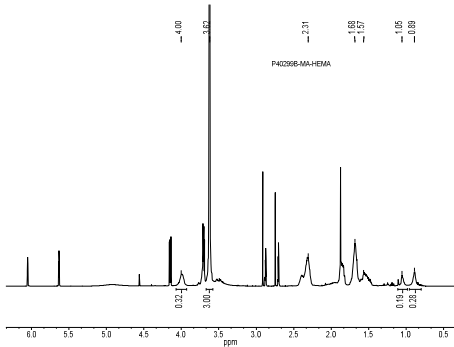
Composition:

$M_n \times 10^3$ MA-b-HEMA	PDI
20.5-b-6.0	1.56

Synthesis Procedure:

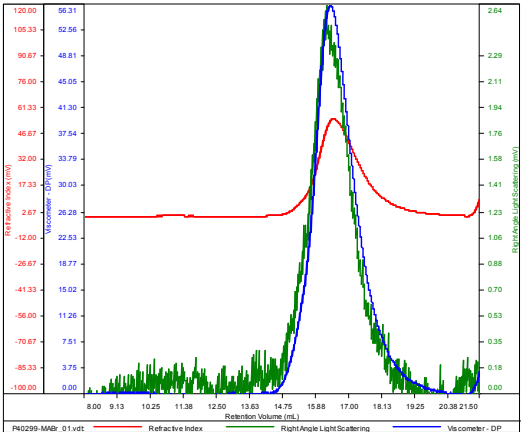
The polymer was synthesized by ATRP polymerization process. MA first polymerized followed by addition of HEMATMS monomer.

HNMR of the MA-b-HEMA run in d7 DMF



SEC ELUGRAM of the block copolymer:
P40299-MABr

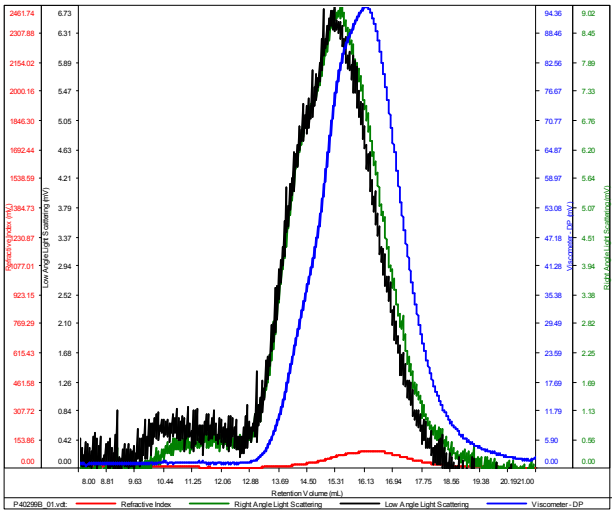
Conc (mg/mL)	13.1674
dn/dc (mL/g)	0.0430
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40299-MABr_01.vdt	20,711	26,973	21,746	1.302	0.0780

P40299B-MAHEMA

Conc (mg/mL)	20.4279
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
P40299B_01.vdt	25,964	40,691	25,297	1.567	0.1367