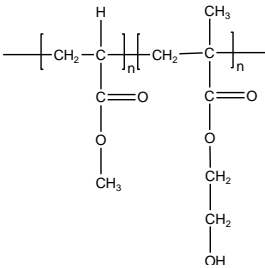


Sample Name: Poly (methyl acrylate–b–2-Hydroxy ethyl methacrylate)

Sample #: P40299A–MAHEMA

Structure:



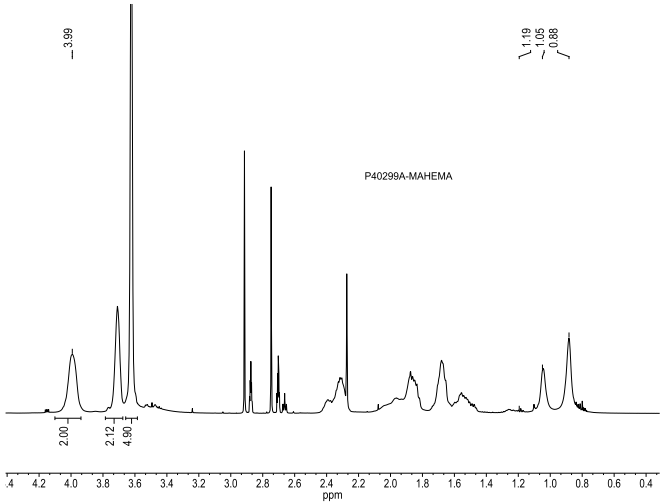
Composition:

$M_n \times 10^3$ MA-b-HEMA 20.5-b-32.5	PDI 1.56
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Synthesis Procedure:

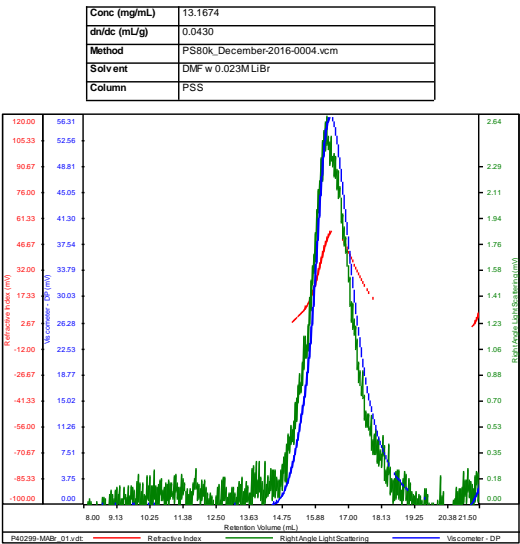
The polymer was synthesized by ATRP polymerization process. MA first polymerized followed by addition of HEMATMS monomer.

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



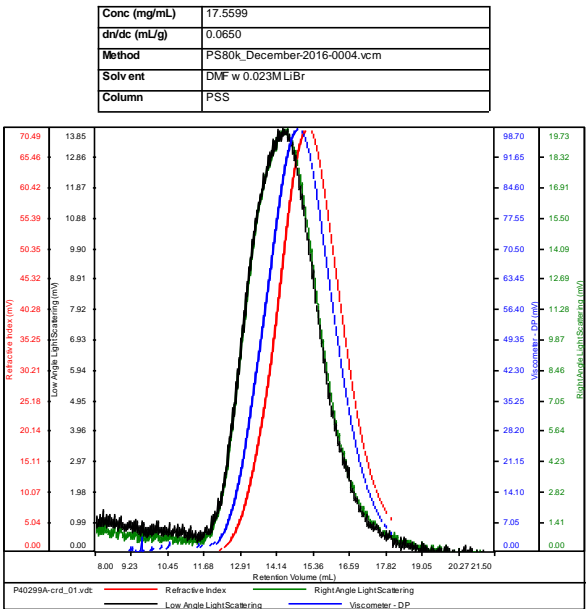
SEC of the block copolymer:

P40299-MABr



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40299-MABr_01.vdt	20,711	26,973	21,746	1.302	0.0790

P40299A-MA-HEMATMS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40299A-crd_01.vdt	71,270	111,308	78,999	1.562	0.1702

PHEMA Mn : 32,500