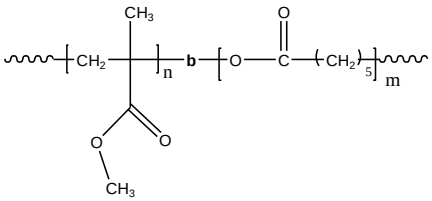
Sample Name: **Poly (Methylmethacrylate-b-ε-caprolactone)**

Sample #: **P10467F7-MMACL**

Structure:



Composition:

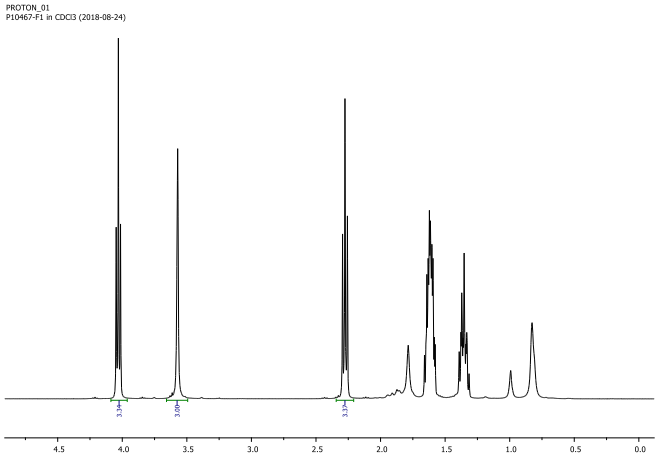
Mn × 10^3 MMA-b-CL	Mw/Mn (PDI)
10.0-b-19.0	1.38

Synthesis Procedure:
Polymer is prepared by anionic polymerization from OH terminated PMMA.

Characterization:
Block copolymer composition was calculated from ^{1}H-NMR spectroscopy by comparing the peak area of the Methyl ester protons at 3.6 ppm with the peak area of -ε-caprolactone protons at 4.1 ppm. Block copolymer PDI is determined by SEC.

Solubility:
Polymer is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

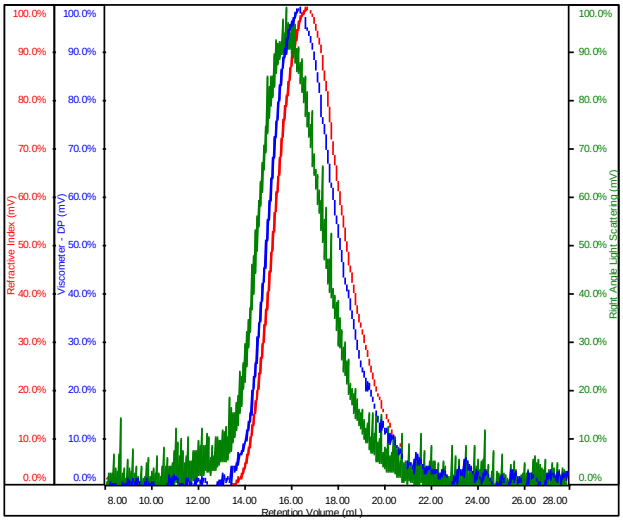
HNMR spectrum of the Polymer:



SEC profile of the block copolymer:

P10467F7

Conc	7.0620
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
p10467F7_01.vdt	29,152	40,090	33,942	1.375	1.0722