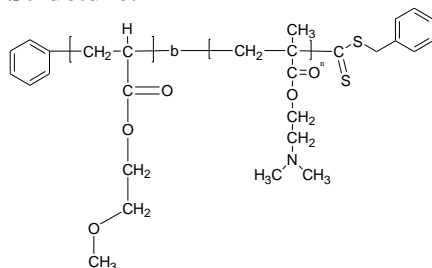


Sample Name: Poly (2-Methoxy ethylacrylate-b-NN-Dimethylaminoethylmethacrylate)

Sample #: P41079D-2MeOEA-DMAEMA

Structure:



Composition:

Mn x 103 2MeOEA-b-DMAEMA	PDI
15.0-b-191.0	1.4

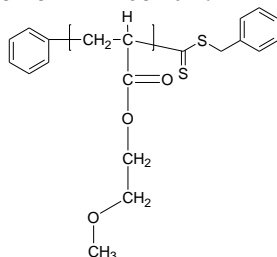
Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.

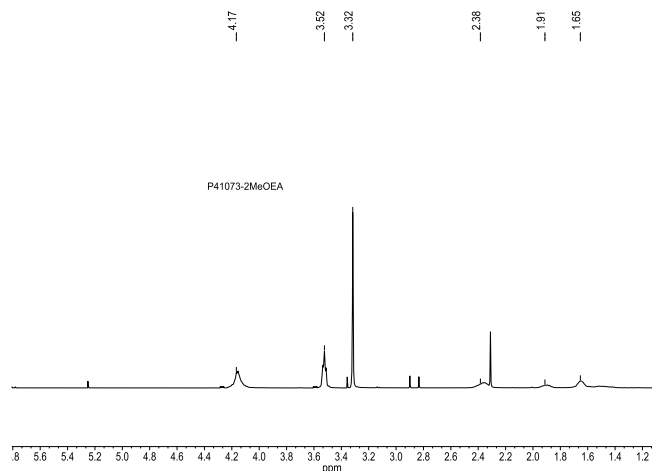
Characterization:

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

Macroinitiator of P2MeOEtA:



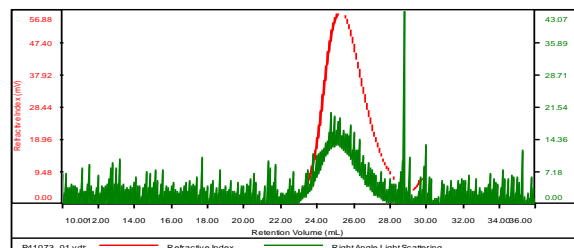
HNMR spectrum of the RAFT end terminated P2MeOEA:



SEC elugram of the Sample lot# P41073-RAFT:

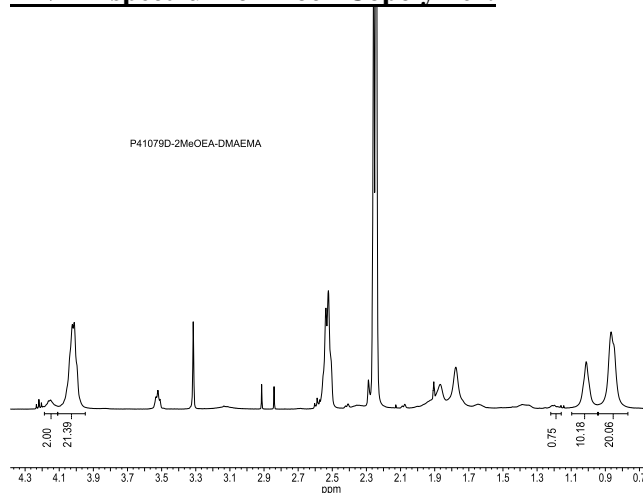
P41073-2MeOEA

Concentration (mg/mL)	3.6005
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-mar5-2018-0002.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41073_01.vdt	15,297	16,962	1.109	0.5685	16,258

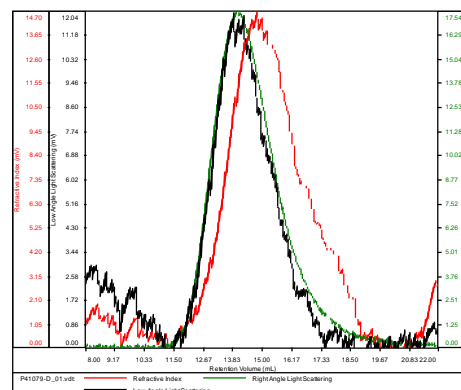
HNMR spectrum of Block Copolymer:



SEC elugram of the Sample:

P41079D-2MeOEA-DMAEMA

Conc	2.7749
dn/dc	0.0720
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41079-D_01.vdt	206,838	294,093	280,580	1.422	0.5371