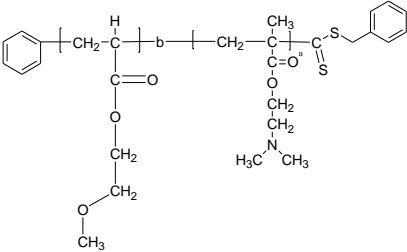


Sample Name: Poly (2-Metoxy ethylacrylate-b-
NN-Dimthylaminoethylmethacrylate)

Sample #: P41072-2MeOEA-DMAEMA

Structure:



Composition:

Mn x 10 ³ 2MeOEA-b-DMAEMA	PDI
18.0-b-19.0	1.9

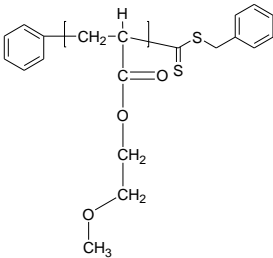
Synthesis Procedure:

The polymer was synthesized by RAFT process.

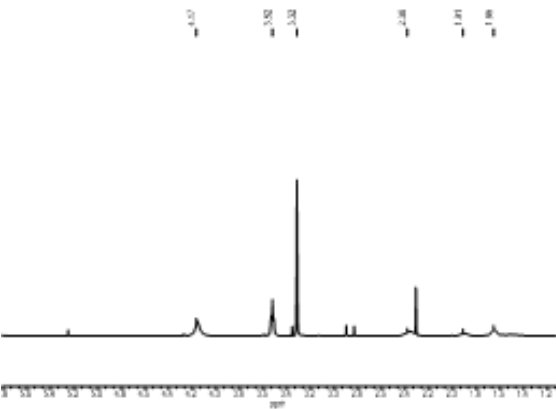
Characterization:

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

Macroinitiator of P2MeoEtA:



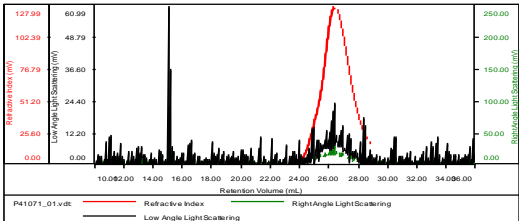
HNMR spectrum of the RAFT end terminated
P2MeOEA:



SEC elugram of the Sample lot# P41071-RAFT:

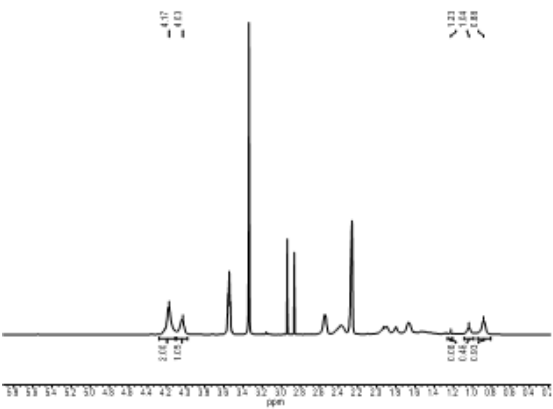
P41071-2MeOEA

Concentration (mg/mL)	15.6281
Sample dn/dc (mL/g)	0.0840
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)
P41071_01.vdt	17,718	20,174	1.139	0.1026	17,523

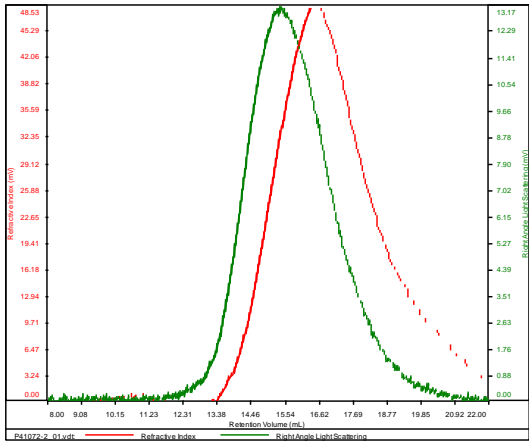
HNMR of Block Copolymer:



SEC elugram of Block Copolymer:

P41072-2MeOEA-DMAEMA

Conc	10.7077
dn/dc	0.0650
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
P41072-2_01.vdt	36,822	73,269	64,967	1.990	0.2404