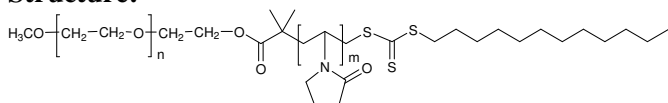


Sample Name:

Poly(ethylene glycol -b- N-vinylpyrrolidone)

Sample #: **P16085A-EGNVP**

Structure:

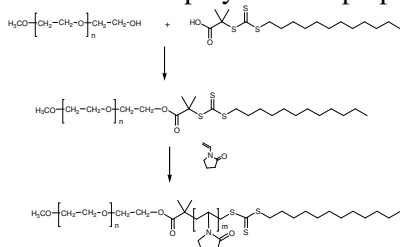


Composition:

Mn x 10 ³ PEG-b-NVP	PDI
2.4-b-19.0	1.3

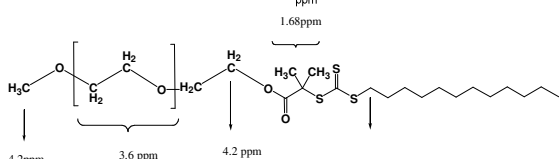
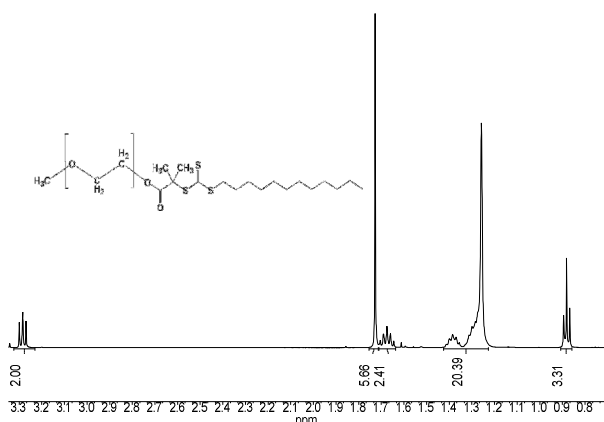
Synthesis Procedure:

The diblock copolymer was prepared by RAFT process:

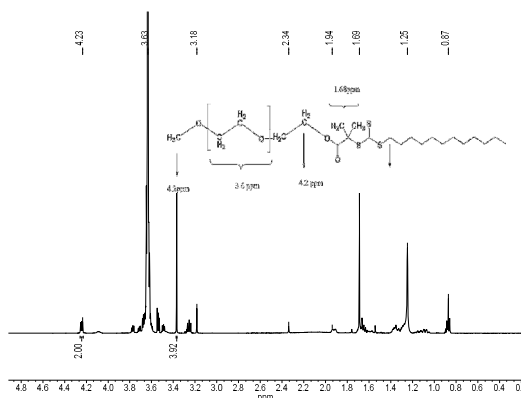


Characterization: The polymer was characterized by SEC and ¹H NMR.

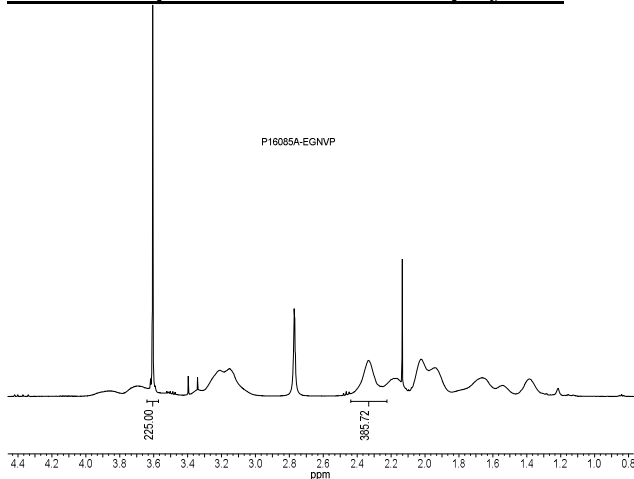
¹H NMR spectrum of the RAFT reagent:



¹H NMR spectrum of the PEG-macroRAFT:

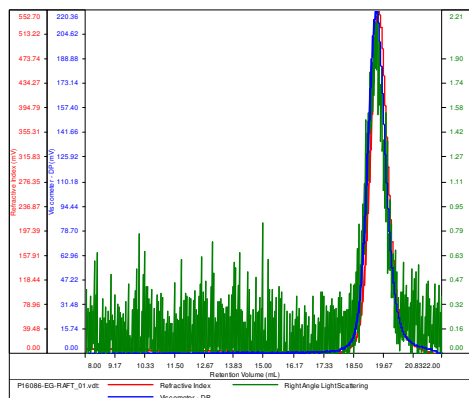


¹H -NMR Spectrum of the block copolymer:



SEC elugram of the EG-RAFT:

Conc (mg/mL)	32.2602
dn/dc (mL/g)	0.0390
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS

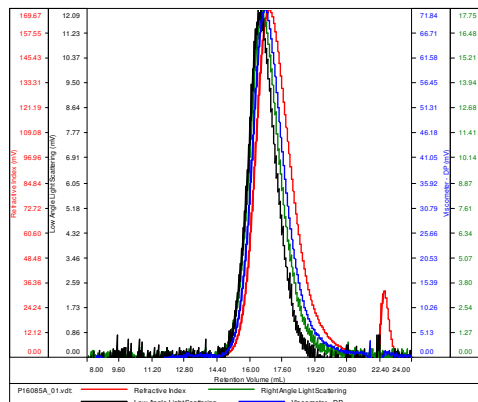


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16086-EG-RAFT_01.vdt	2,446	2,624	2,163	1,073	0.0674

SEC elugram of the block-copolymer:

P16085A-EGNVP

Conc (mg/mL)	9.8500
dn/dc (mL/g)	0.0390
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16085A_01.vdt	21,841	26,779	26,734	1,226	0.1535