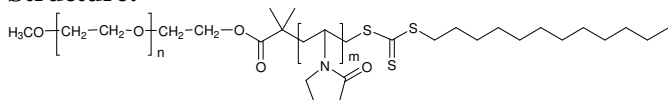


Sample Name:

Poly(ethylene glycol -b- N-vinylpyrrolidone)

Sample #: P16085B-EGNVP

Structure:

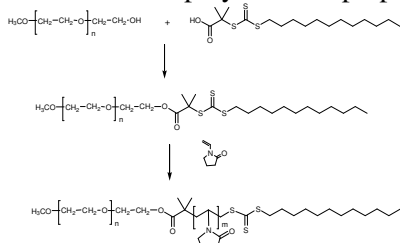


Composition:

Mn x 10 <sup>3</sup> PEG-b-NVP	PDI
2.4-b-4.0	1.4

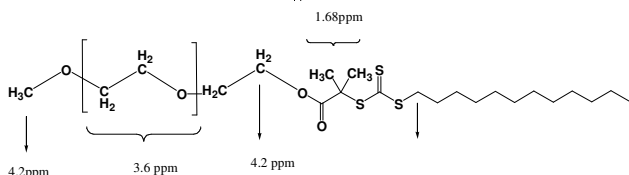
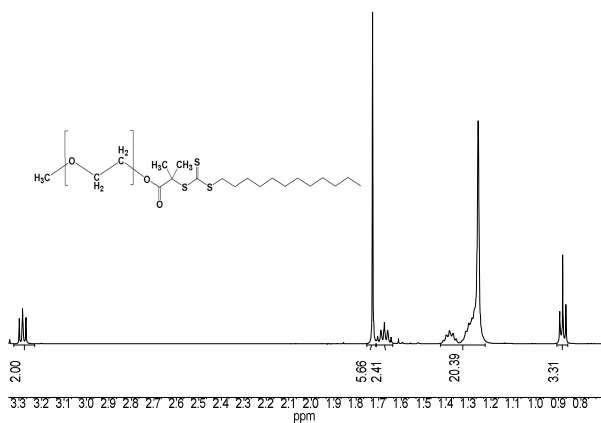
Synthesis Procedure:

The diblock copolymer was prepared by RAFT process:

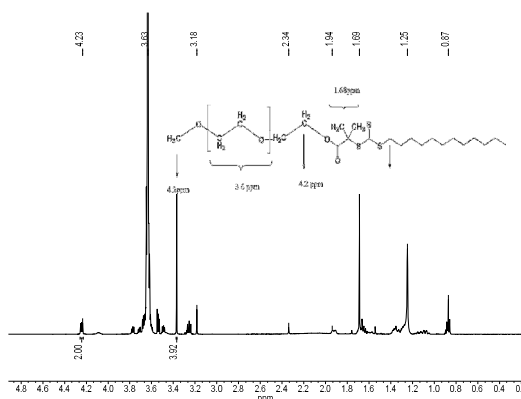


Characterization: The polymer was characterized by <sup>1</sup>H NMR and SEC.

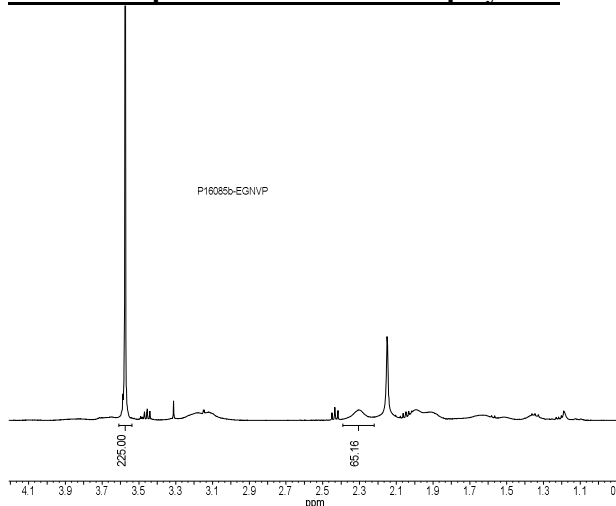
<sup>1</sup>H NMR spectrum of the RAFT reagent:



<sup>1</sup>H NMR spectrum of the PEG-macroRAFT:

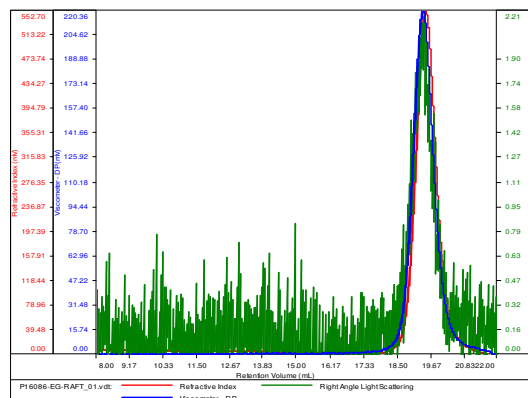


<sup>1</sup>H -NMR Spectrum of the block copolymer:



SEC elugram of EG-RAFT:  
P16085-EG-RAFT

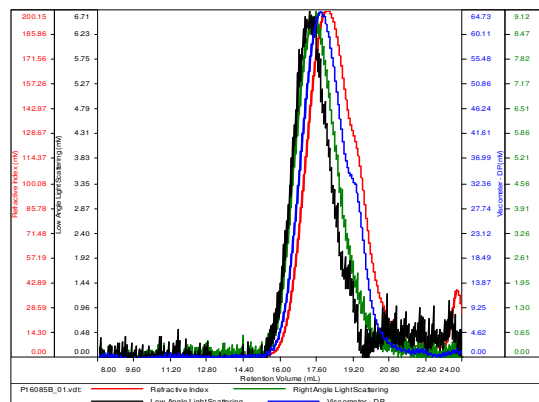
Conc (mg/mL)	32.2602
dn/dc (mL/g)	0.0390
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16085-EG-RAFT_01.vdt	2,446	2,624	2,163	1.073	0.0674

SEC elugram of the block-copolymer:  
P16085B-EGNVP

Conc (mg/mL)	15.0064
dn/dc (mL/g)	0.0910
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16085B_01.vdt	7,606	11,175	10,631	1.469	0.1159