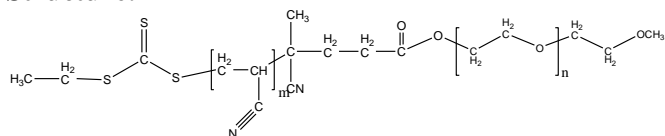


Sample Name:
Poly(ethylene oxide-b-acrylonitrile)

Sample #: **P41495-EOACN**

Structure:



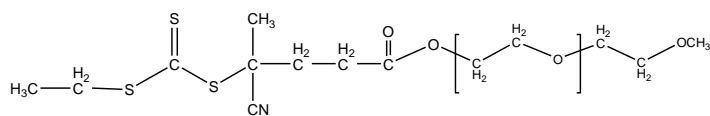
Composition:

Mn x 10 ³ PEO-b-PACN	PDI
42.5-b-109.0	1.7
Color of the polymer	White

Synthesis procedure:

The polymer was synthesized by RAFT polymerization process.

Raft Macroinitiator structure: mPEG-RAFT



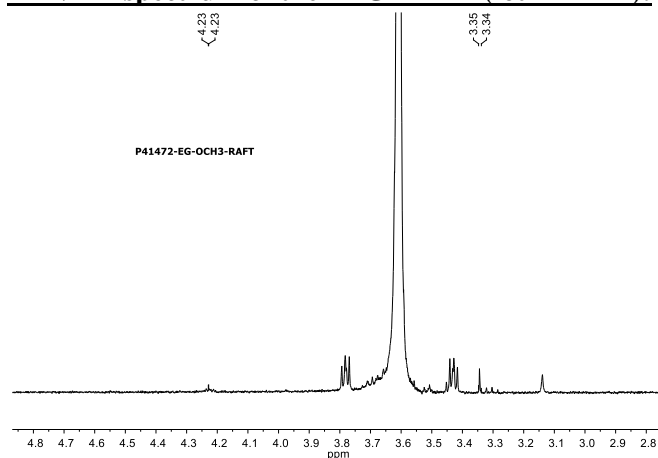
Characterization:

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

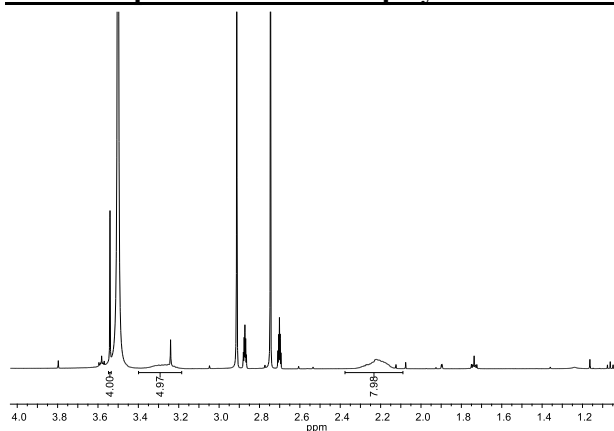
Solubility:

The polymer is soluble in DMF.

¹H NMR spectrum of the PEG-RAFT (lot#P41472):



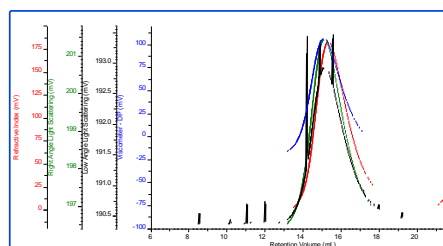
¹H NMR spectrum of block copolymer run in DMF:



SEC elugram of the RAFT macroinitiator:

P41472-mPEG-RAFT

dn/dc	0.0350
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA64K-Oct2018-0008.vcm

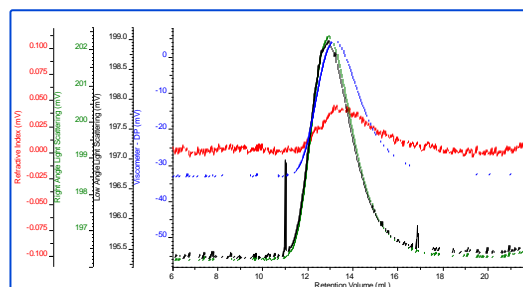


Sample	Mn	Mw	Mz	IV	Mw/Mn
P41472_1 2018-11-16	42,676	48,287	64,546	0.4042	1.131

SEC elugram of the Polymer:

P41495-EOACN

dn/dc	0.0700
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41495-EOACN_1_2i	151,605	264,455	328,092	1.0000	1.744