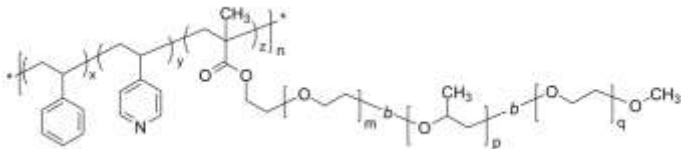


Sample Name: Random copolymer of Poly (styrene-co-4-vinyl pyridine-co-[poly (ethylene oxide-b-propylene oxide-b-ethylene oxide)] methacrylate)

Sample #: P40955-S4VPEOPOEOran

Structure:



Composition:

Mn × 10 ³	PDI
42.5	3.0

S: 4VP: ratio	12:78
4VP:EOPOEO ratio	76:24
S:4VP:EOPOEO ratio After normalization	10:68:22
Macromonomer Lot # P10863 EOPOEO-MA 0.30-b-1.0-b-0.30	Dp: 7-b-18-b-7

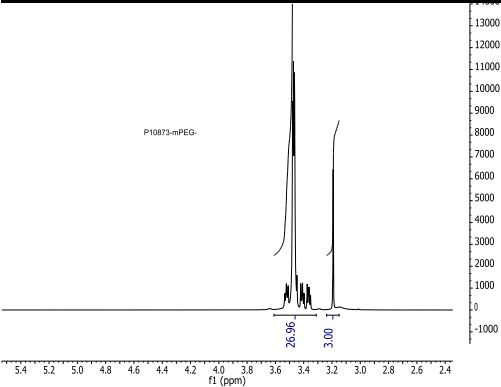
Characterization:

The polymer analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ¹H-NMR spectroscopy.

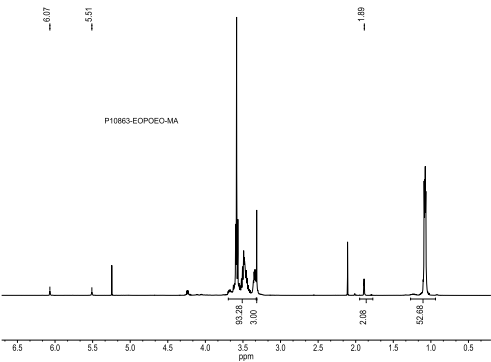
Solubility:

The polymer is soluble in acetone, DMF, methanol. It precipitates from, ether and hexane.

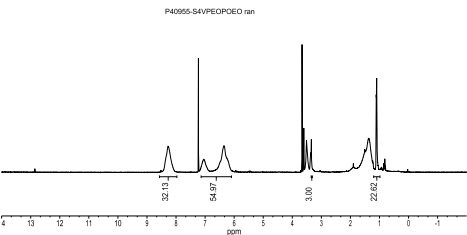
¹H NMR spectrum of first (mPEG) block:



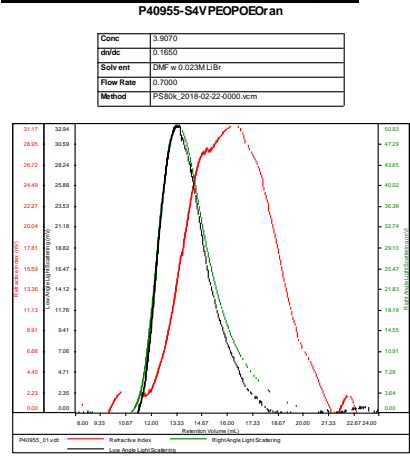
¹H NMR of EOPOEO-MA end functionalized:



¹H NMR spectrum of the random copolymer:



SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40955_01.vcl	42,434	128,699	49,618	3.056	0.3087