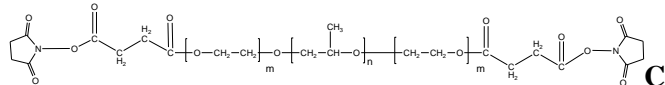


Sample Name: α,ω -Disuccinimidyl Succinate
Terminated Poly(ethylene oxide-b- propylene oxide - b- ethylene oxide)

Sample #: P19408A-EOPOEO-2NHS

Structure:



omposition:

Mn x 10 ³	PDI
3.9-b-4.0-b-3.9	1.18
Dp : 82-b-68-b-82	

Synthesis Procedure:

Polymer prepared by living anionic polymerization with sequence addition of propylene oxide followed by ethylene oxide, followed by end group modification.

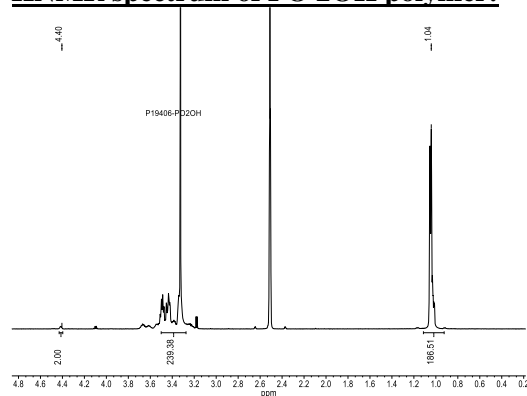
Characterization:

BY SEC and HNMR, FTIR analysis.

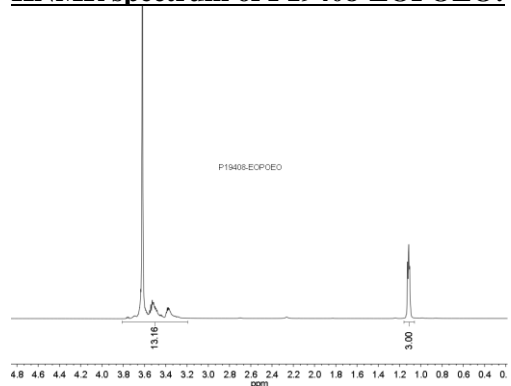
Solubility:

Polymer is soluble in THF, CHCl₃, and toluene.

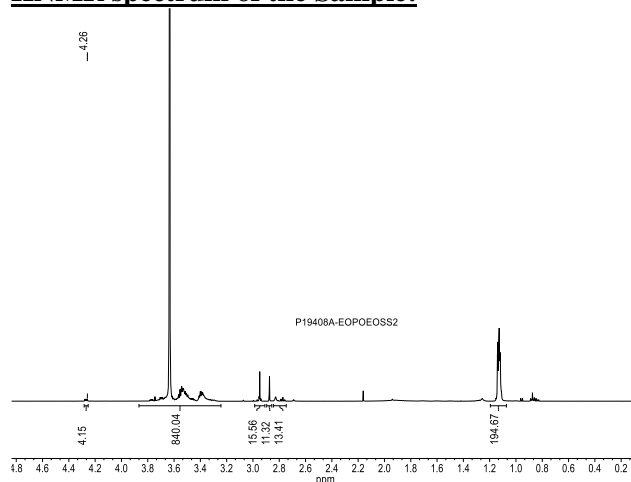
HNMR spectrum of PO 2OH polymer:



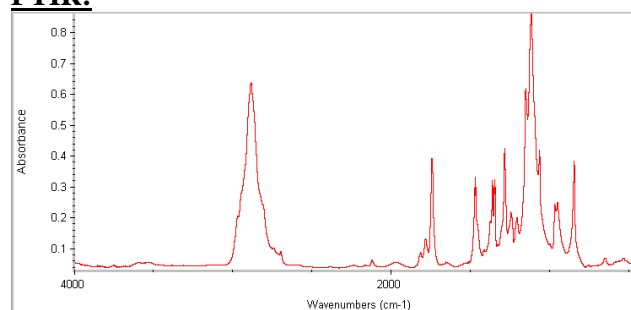
HNMR spectrum of P19408-EOPOEO:



HNMR spectrum of the Sample:



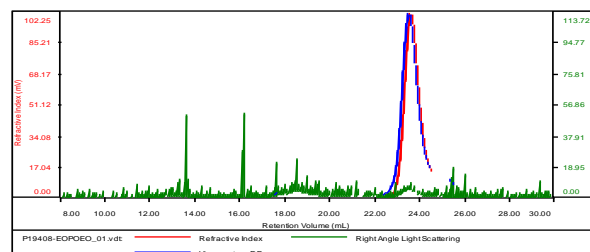
FTIR:



SEC elugram of the Sample:

Sample ID:P19408-EOPOEO

Concentration (mg/mL)	1.6166
Sample dn/dc (mL/g)	0.0500
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19408-EOPOEO_01.vdt	11,716	13,728	11,230	1.172	0.8216