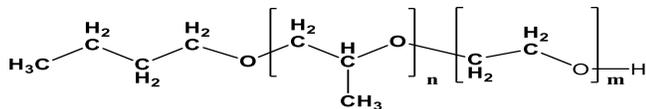


Sample Name:

Poly(Propylene oxide-b-Ethyleneoxide)

Sample #: **P42456C-POEO**

Structure:



Composition:

$M_n \times 10^3$ (g/mol) PO-b-EO	M_w/M_n
3.3-b-12.5	1.13

Synthesis Procedure:

Poly(Propylene oxide-ethylene oxide) diblock copolymer was prepared by living anionic polymerization.

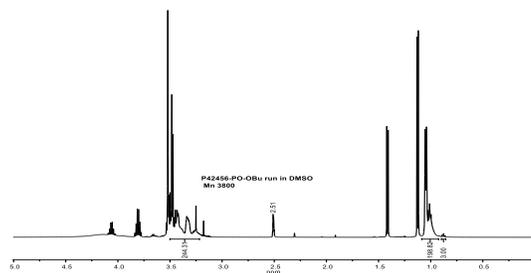
Characterization:

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

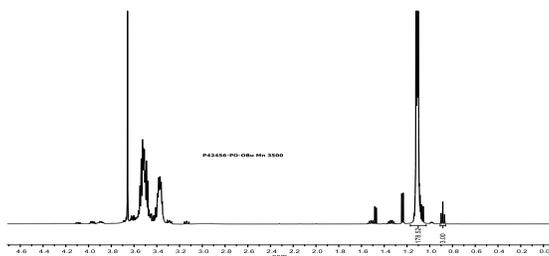
Solubility:

Poly(ethylene oxide-b-propylene oxide) is soluble in chloroform, THF, methanol and ethanol. The polymer precipitates from hexane and ether.

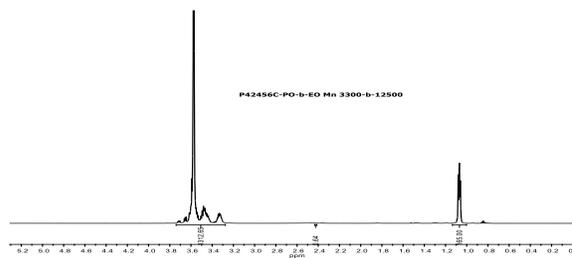
1H -NMR spectrum of lot# P42456-PO-OBu in DMSO 500MHZ:



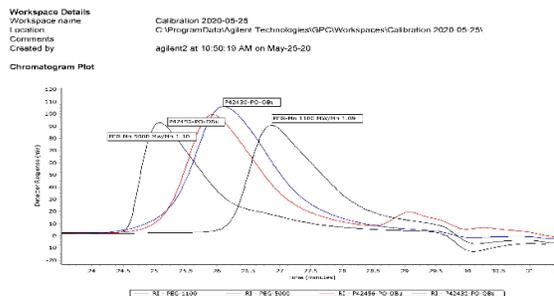
1H -NMR spectrum of lot# P42456-PO-OBu in $CdCl_2$ 500MHZ:



1H -NMR spectrum of P42456C-POEO:



SEC elugram of P42456-PO-OBu:



SEC elugram of P42456C-POEO:

