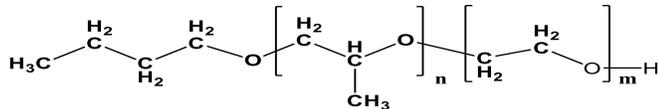


Sample Name:

Poly(Propylene oxide-b-Ethyleneoxide)

Sample #: **P42456B-POEO**

Structure:



Composition:

$M_n \times 10^3$ (g/mol) PO-b-EO 3.3-b-15.0	M_w/M_n 1.10
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Synthesis Procedure:

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

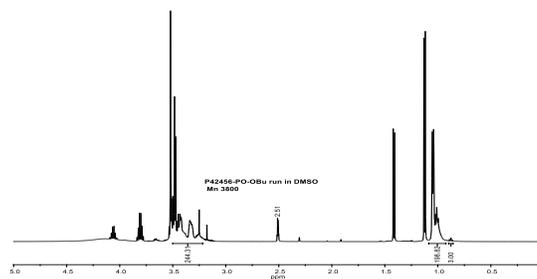
Characterization:

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

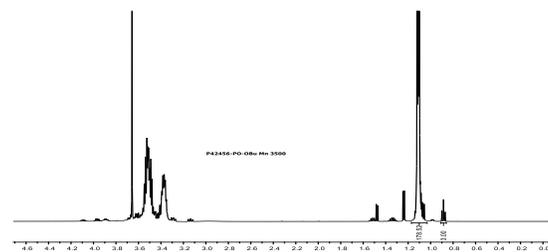
Solubility:

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

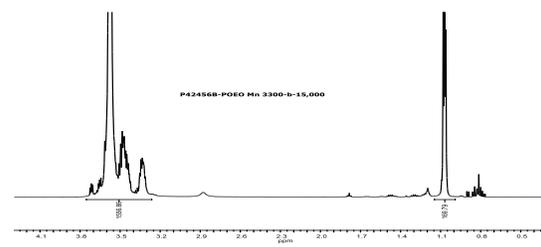
¹H-NMR spectrum of lot# P42456-PO-OBu in DMSO 500MHZ:



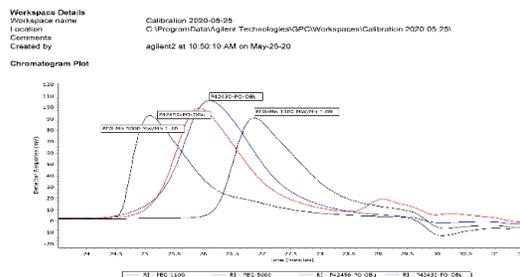
¹H-NMR spectrum of lot# P42456-PO-OBu in CdCl₃ 500MHZ:



¹H-NMR spectrum of P42456B-POEO:



SEC elugram of P42456-PO-OBu:



SEC elugram of P42456B-POEO:

