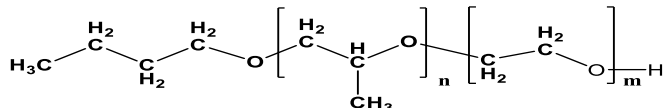


Sample Name:
Poly(Propylene oxide-b-Ethyleneoxide)

Sample #: **P42456A-POEO**

Structure:



Composition:

$M_n \times 10^3$ (g/mol) PO-b-EO	M_w/M_n
3.3-b-13.0	1.10

Synthesis Procedure:

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

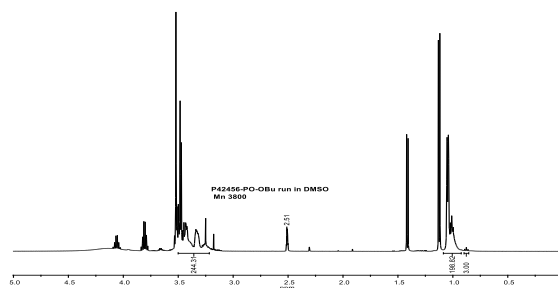
Characterization:

The product was characterized by size exclusion chromatography (SEC) and $^1\text{H-NMR}$.

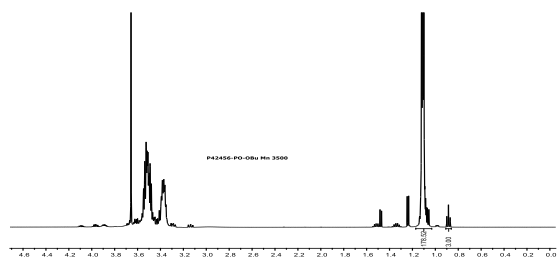
Solubility:

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

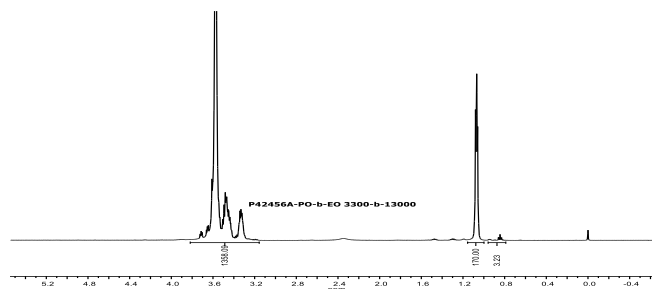
$^1\text{H-NMR}$ spectrum of lot# P42456-PO-OBu in DMSO 500MHZ:



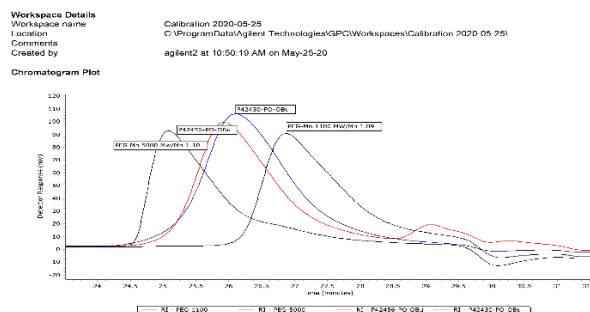
$^1\text{H-NMR}$ spectrum of lot# P42456-PO-OBu in CdCl_2 500MHZ:



$^1\text{H-NMR}$ spectrum of P42456A-POEO:



SEC elugram of P42456-PO-OBu:



SEC elugram of P42456A-POEO:

