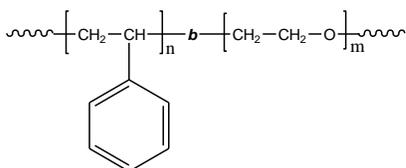


Sample Name: Poly (styrene-b-ethylene oxide)

Sample #: P41502P-SEO

Structure:



Composition:

$M_n \times 10^3$	PDI
912.0-b-9.0	1.3

Synthesis Procedure:

Poly(styrene-b-ethylene oxide) diblock copolymer is prepared by living anionic polymerization.

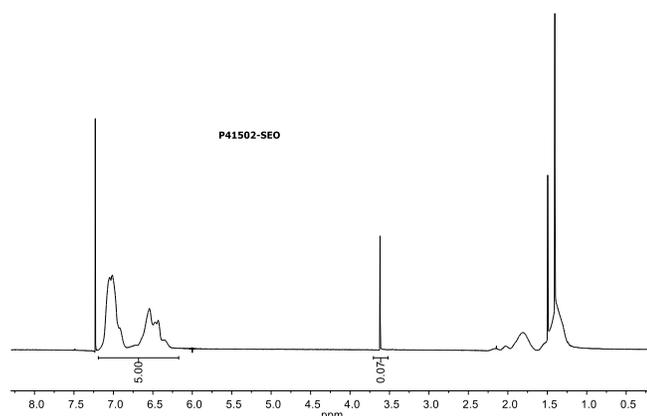
Characterization:

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

Solubility:

The polymer is soluble in THF, CHCl_3 , benzene, toluene, dioxane. Low molecular weight SEO with high contents of the polyethylene oxide block can also be solubilized in methanol and water.

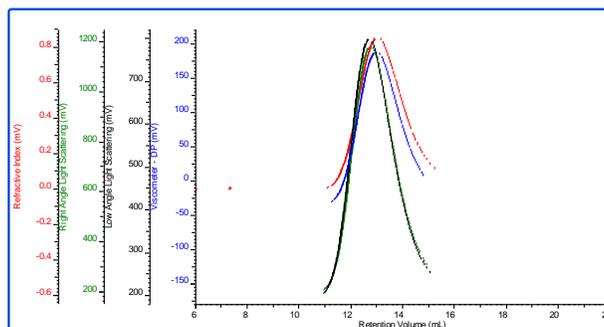
$^1\text{H NMR}$ spectrum of the sample:



SEC elugram of the block polymer:

P41502-SEO

dn/dc	0.1570
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	M_n	M_w	M_z	IV	M_w/M_n
P41502-SEO_1_2018	921,256	1.193 e 6	1.962 e 6	1.5036	1.295