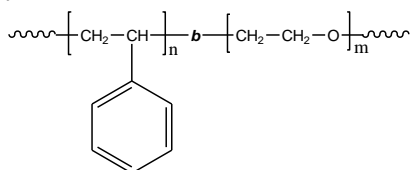


Sample Name: Poly (styrene-b-ethylene oxide)

Sample #: P18783-SEO

Structure:



Composition:

Mn x 10 ³	PDI
11.0-b-19.0	1.17

Synthesis Procedure:

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

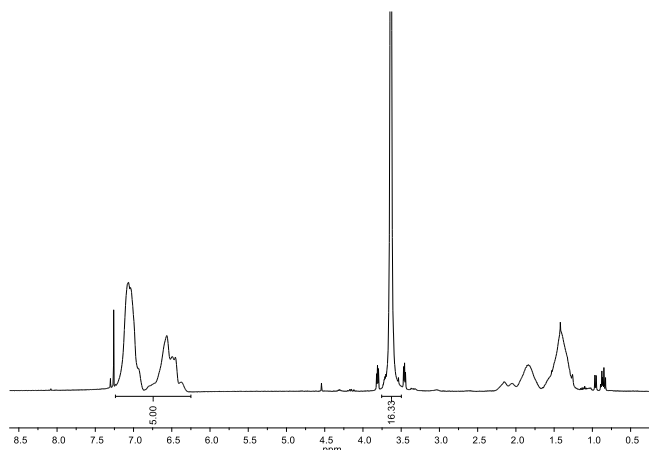
Characterization:

The polymer is characterized by size exclusion chromatography (SEC) and ¹H-NMR.

Solubility:

The polymer is soluble in THF, CHCl₃, benzene, toluene, dioxane. Low molecular weight SEO with high contents of the polyethylene oxide block can also be solubilized in methanol and water.

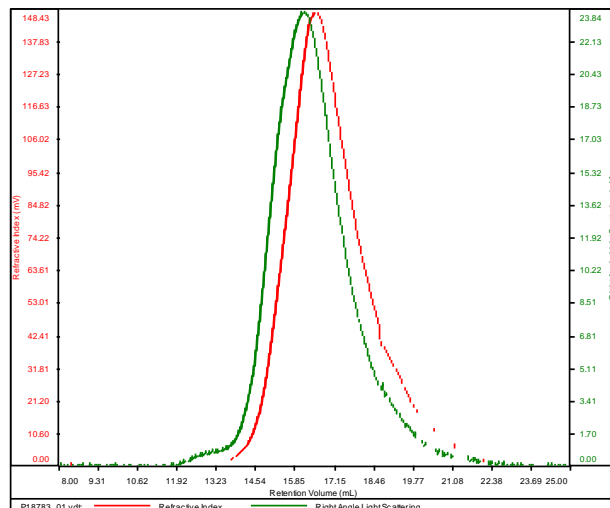
¹H NMR spectrum of the sample:



SEC elugram of the block polymer:

P18783-SEO

Conc	18.5391
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-90k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18783_01.vdt	30,010	35,069	32,794	1.169	0.3178