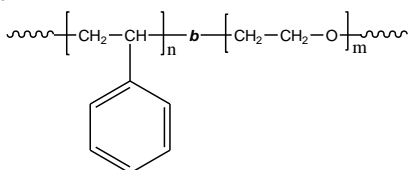


Sample Name: Poly(styrene-b-ethylene oxide)

Sample #: P44156-SEO

Structure:



Composition:

$M_n \times 10^3$	PDI
9.0-b-3.5	1.02

Synthesis procedure:

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

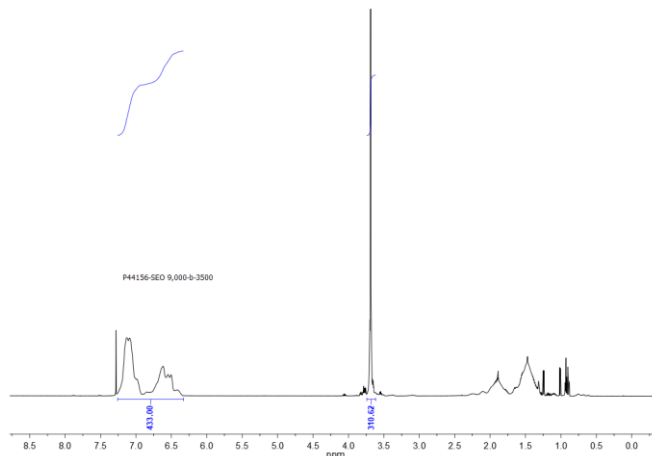
Characterization:

The product is characterized by size exclusion chromatography (SEC) and by ^1H -NMR data analysis.

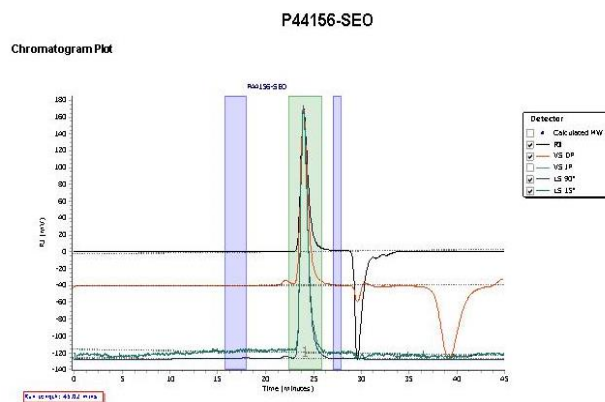
Solubility:

The polymer is soluble in THF (at 35 °C), 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.

^1H NMR spectrum of PS-PEO (500 MHz, CDCl_3):



SEC elugrams of PS and PS-PEO:



Peak	M_p (g/mol)	M_n (g/mol)	M_w (g/mol)	M_z (g/mol)	M_z+1 (g/mol)	M_v (g/mol)	PD
Peak 1	12481	12388	12392	12395	12399	12395	1