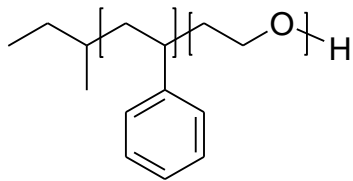


Sample Name: Poly(styrene-b-ethylene oxide)

Sample #: P41693-SEO

Structure:



Composition:

Mn x10 ³	PDI
39.0-b-18.0	1.04

Synthesis Procedure:

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

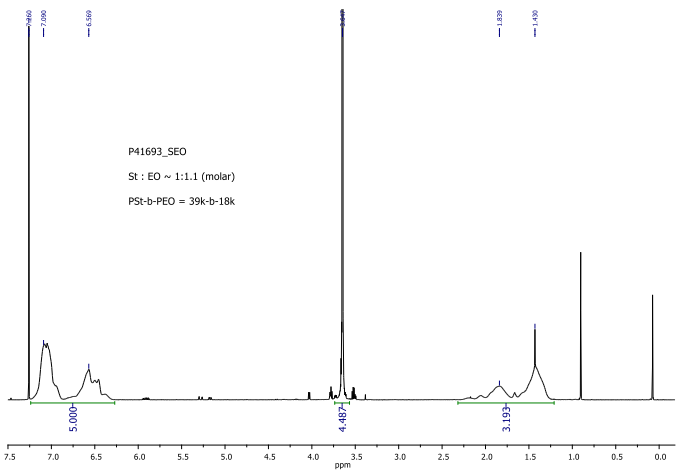
Characterization:

The molecular weight characterization was carried out by size exclusion chromatography (polydispersity and MW of the first block) and ¹H-NMR (composition and MW of the block copolymer).

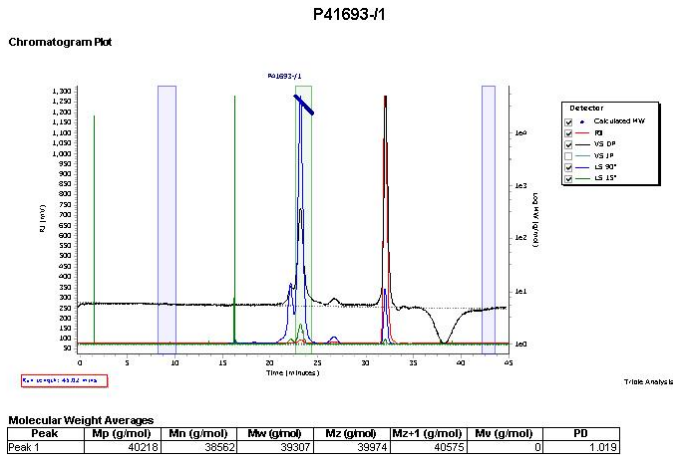
Solubility:

The polymer is soluble in THF, CHCl₃, benzene, toluene, and 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 SOH sample (run in THF):



SEC profile of the block copolymer (run in DMF):

