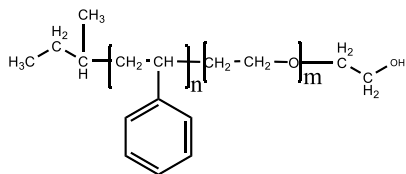


**Sample Name:** Poly (styrene-b-ethylene oxide)

**Sample #:** P42527-SEO

**Structure:**



**Composition:**

Mn x10-3	PDI
1.1-b-3.7	1.10

**Synthesis Procedure:**

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

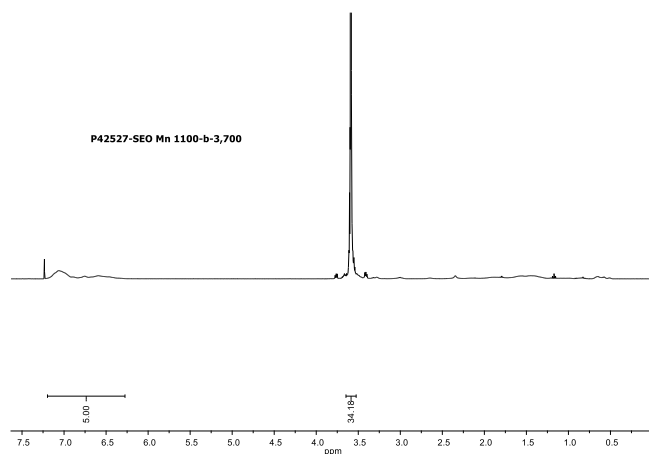
**Characterization:**

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

**Solubility:**

The polymer is soluble in THF,  $\text{CHCl}_3$ , benzene, toluene and 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 SOH sample:**

**P42527-SEO**

