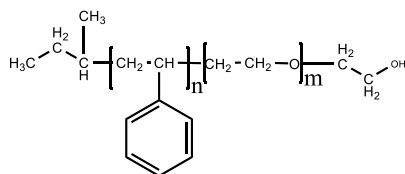


**Sample Name:** Poly (styrene-b-ethylene oxide)

**Sample #:** P42347-SEO

**Structure:**



**Composition:**

Mn x10-3	PDI
5.0-b-19.5	1.06

**Synthesis Procedure:**

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

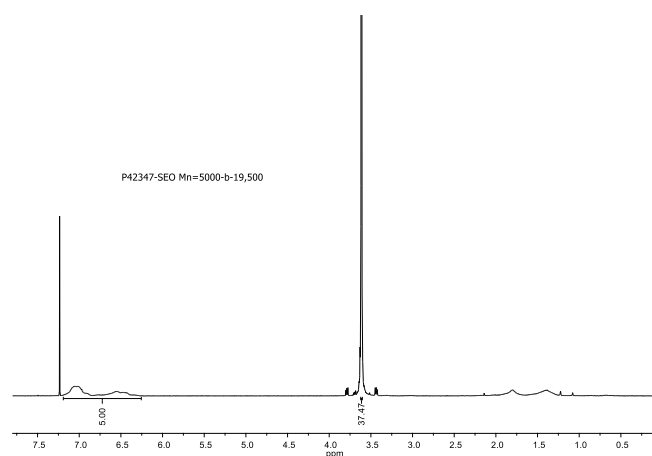
**Characterization:**

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

**Solubility:**

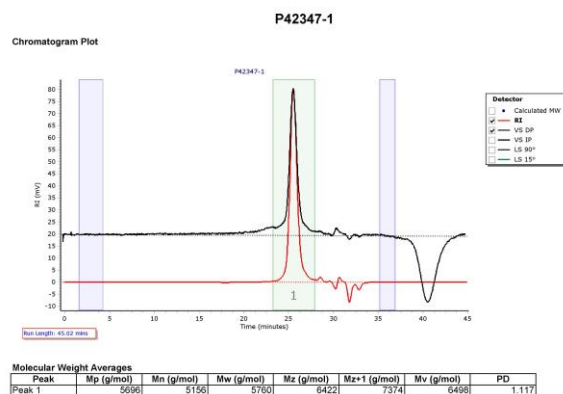
The polymer is soluble in THF, CHCl<sub>3</sub>, benzene, toluene, dioxane. Low molecular weight SEO with high contents of the polyethylene oxide block can also be solubilized in methanol and water.

**<sup>1</sup>H NMR spectrum of the sample:**



**SEC elugram of the SOH sample:**

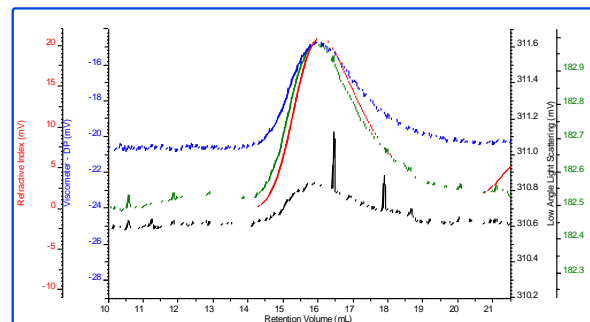
Agilent GPC/SEC Software



**SEC profile of the block copolymer:**

**P42347-SEO**

dn/dc	0.1000
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0011.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P42347-SEO_1_2020-	24,835	26,501	21,940	1.067