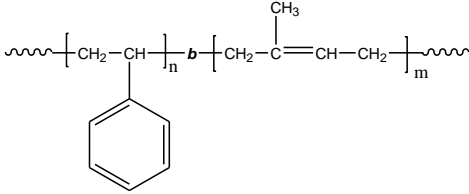


**Sample Name: Poly (styrene-b-isoprene)**  
*(Polyisoprene rich in 1, 4-addition)*

**Sample #: P42612-SIp**

**1, 4-rich microstructure for polyisoprene block:**



**Composition:**

Mn x 10 <sup>3</sup> S-b-IP	Mw/Mn (PDI)
63.0-b-29.5	1.02

**Synthesis Procedure:**

Poly (styrene-b-isoprene) is prepared by living anionic polymerization process.

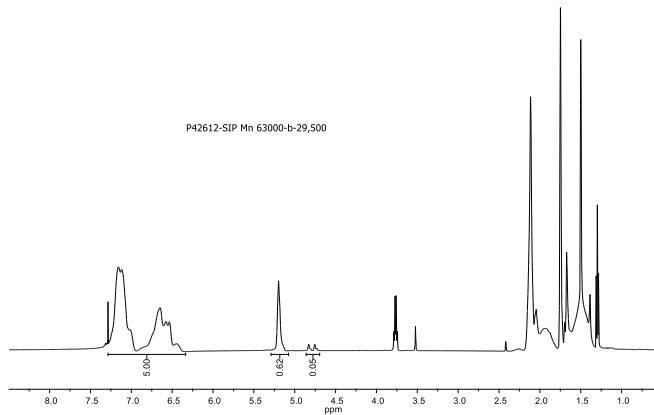
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H-NMR data analysis.

**Solubility:**

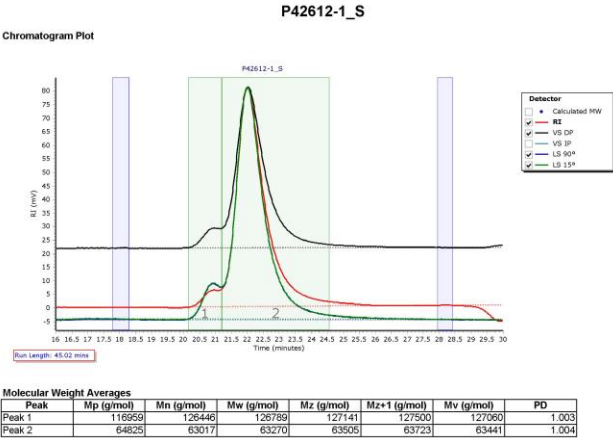
Poly (styrene-b-isoprene) is soluble in THF, toluene, dioxane and CHCl<sub>3</sub>. This polymer readily precipitates from methanol, ethanol, and water.

**<sup>1</sup>H-NMR Spectrum of the block copolymer:**



**SEC elugram of the Styrene block:**

Agilent GPC/SEC Software



**SEC elugram of the Sample:**

Agilent GPC/SEC Software

