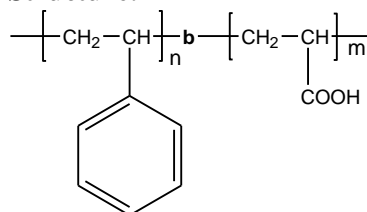


**Sample Name:** Poly (styrene -b- acrylic acid)

**Sample #:** P42251D-SAA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> PS-b-PAA	PDI
16.0-b-3.7	1.04

**Synthesis Procedure:**

Poly (styrene-b-acrylic acid) is prepared by living anionic polymerization with sequence addition of styrene followed by t-butyl acrylate and hydrolysis of the t-butyl group.

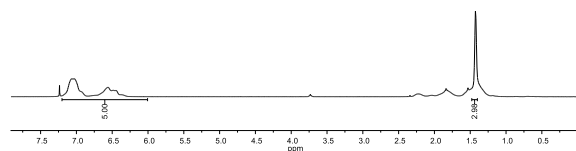
**Characterization:**

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

**Solubility:**

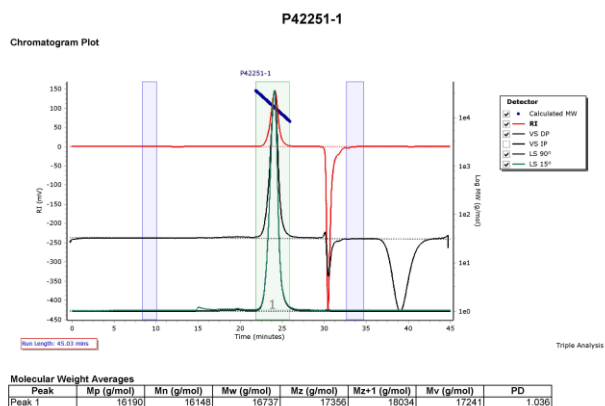
The polymer is soluble in THF and DMF.

**<sup>1</sup>H NMR spectrum of the PS-b-tBuA:**



**SEC elugram of the first (PS) block:**

Agilent GPC/SEC Software



**SEC elugram of the product (diblock copolymer):**

Agilent GPC/SEC Software

