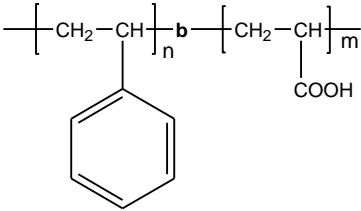


Sample Name: Poly (styrene -b- acrylic acid)

Sample #: P42251AA-SAA

Structure:



Composition:

Mn x 10 <sup>3</sup> PS-b-PAA	PDI
13.5-b-2.5	1.02

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.

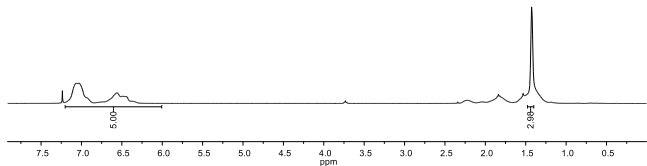
Characterization:

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

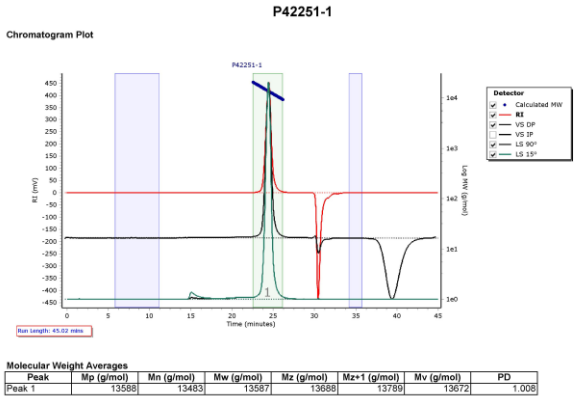
Solubility:

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:



SEC elugram of the product (diblock copolymer):

