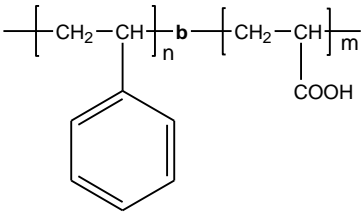


Sample Name: Poly (styrene -b- acrylic acid)

Sample #: P42250A-SAA

Structure:



Composition:

Mn x 10 <sup>3</sup> PS-b-PAA	PDI
22.0-b-3.6	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.

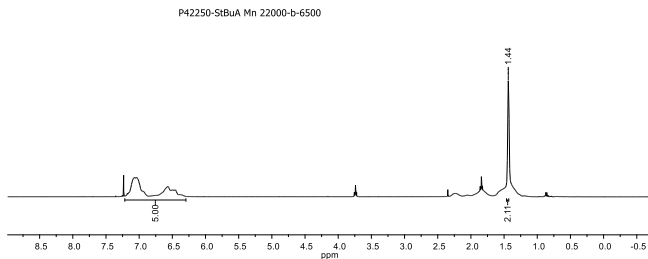
Characterization:

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

Solubility:

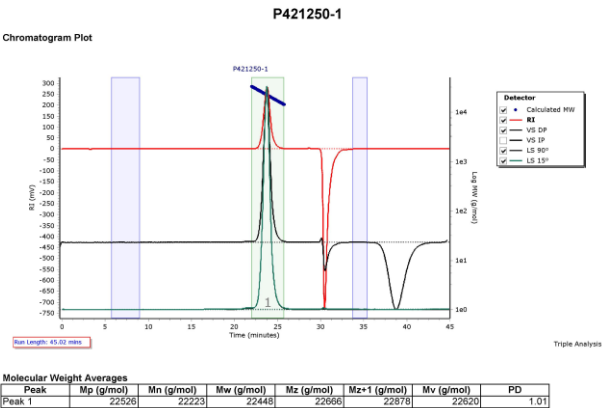
The polymer is soluble in THF and DMF.

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

