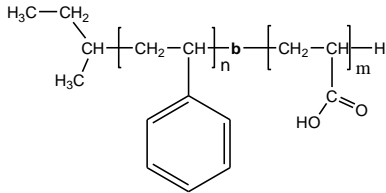


Sample Name: Poly (styrene -b- acrylic acid)  
Electronic grade

Sample #: P41763E-SAA

Structure:



Composition:

Mn x 10 <sup>3</sup> PS-b-PAA	PDI
16.0-b-4.0	1.01

Synthesis Procedure:

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

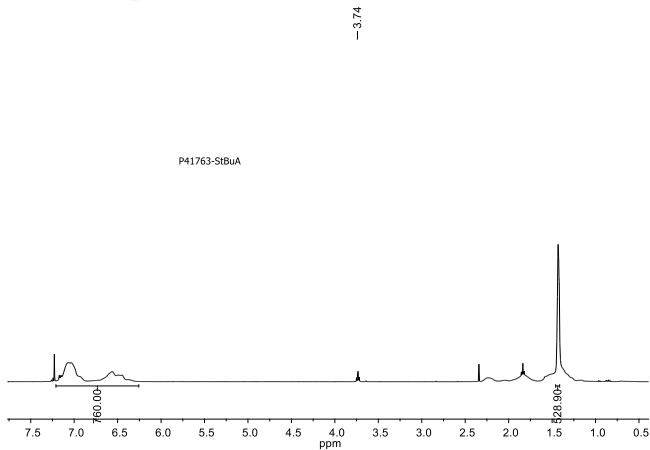
Characterization:

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

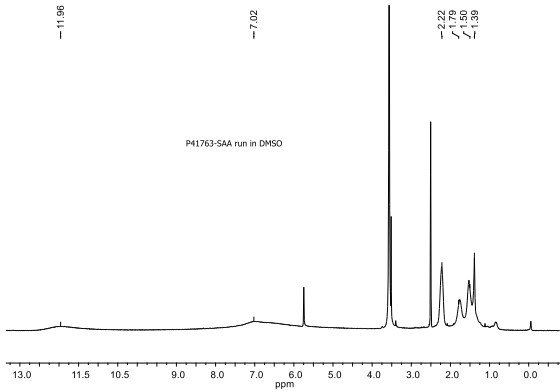
Purification:

The obtained polymer was dissolved in 1-4 dioxane and filter through a membrane 0.5 μ nylon filter. The obtained solution was freeze-dried under reduced pressure.

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

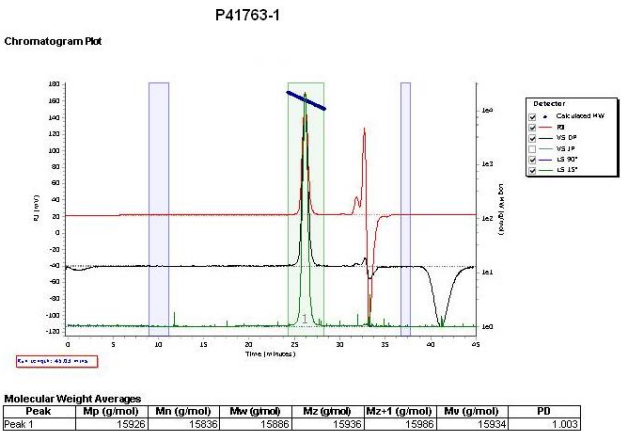


HNMR of the Sample runs in DMSO:



SEC elugram of the PS block:

Agilent GPC/SEC Software



SEC elugram of the PStBuA Sample:

Agilent GPC/SEC Software

