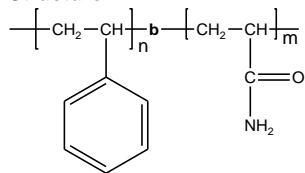


Sample Name: Poly(styrene -b- acrylamide)

Sample #: P9098-SAMD

Structure:



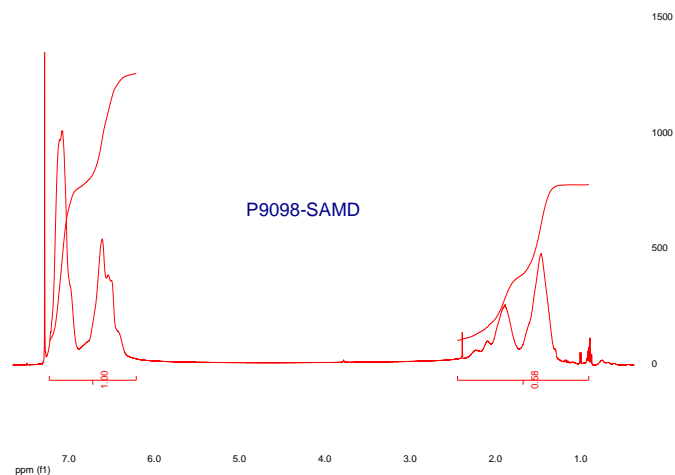
Composition:

Mn x 10 ³ PS-b-AMD	PDI
16.0-b-3.5	1.15

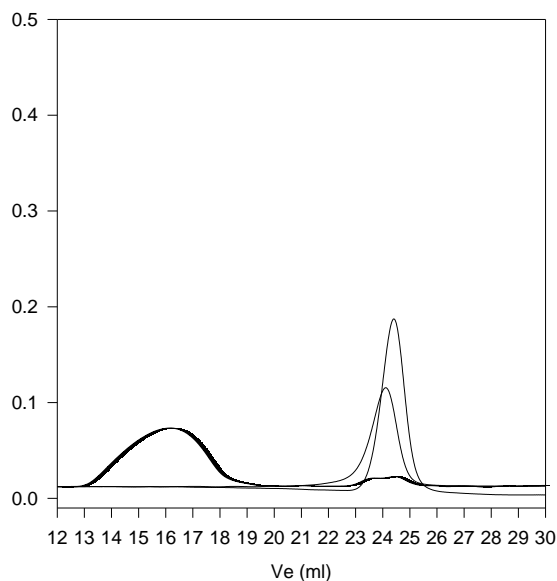
Synthesis Procedure:

The synthesis of this polymer is proprietary. The product is obtained from the Poly(styrene-b-Acrylic acid).

¹H-NMR Spectrum of the block copolymer:



Precursor for P9098-SAMD



Size exclusion chromatography of polystyrene-b-poly(t-butyl acrylate)

Polystyrene, M_n=16000, M_w=17000, PI=1.06

Block Copolymer PS(16000)-b-PtBuA(5800), PI=1.15
after hydrolysis of ester: PS-b-AA Mn: 16000-b-3500 Mw/Mn: 1.15
After converting Poly acrylic acid to Poly acrylamide: Micellization;