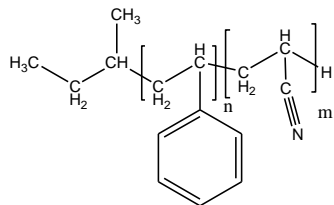


Sample Name: Poly (Styrene-b-Acrylonitrile)

Sample #: P41225-SACN

Structure:



Composition:

$\text{Mn} \times 10^3$ SA-b-ACN	$\text{Mw/Mn (PDI)}$
24.0-b-6.0	1.09

Color: Ivory

Synthesis Procedure:

The polymer is prepared by anionic polymerization process.

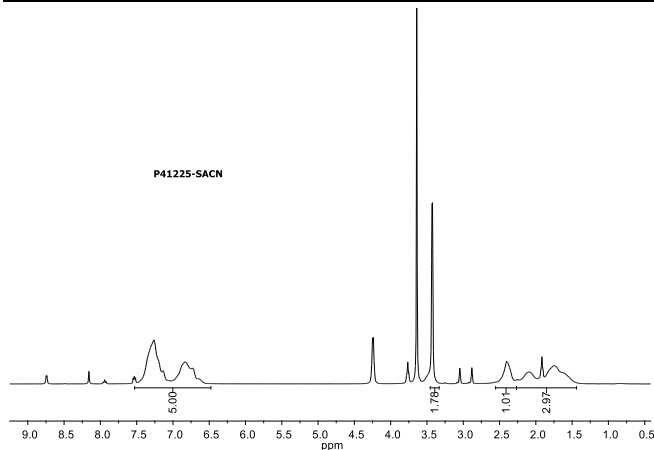
Characterization:

The polymer was characterized by size exclusion chromatography (SEC) in DMF and  $^1\text{H}$  NMR.

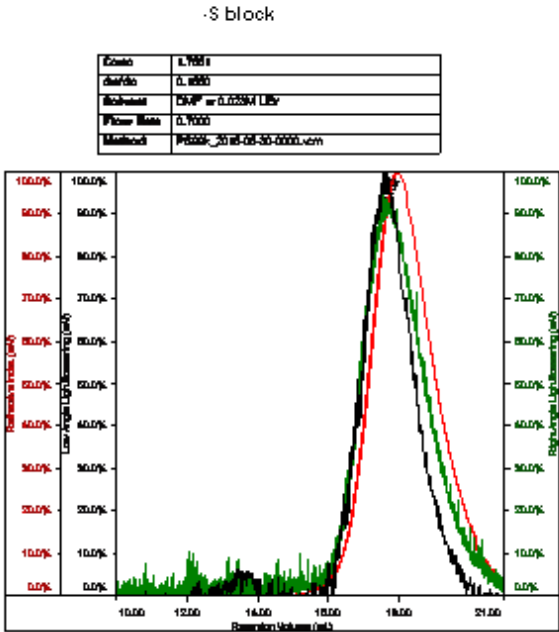
Solubility:

Polymer is soluble in THF, DMF, and precipitated in methanol and hexanes.

$^1\text{H}$  NMR spectrum of the Polymer block copolymer:

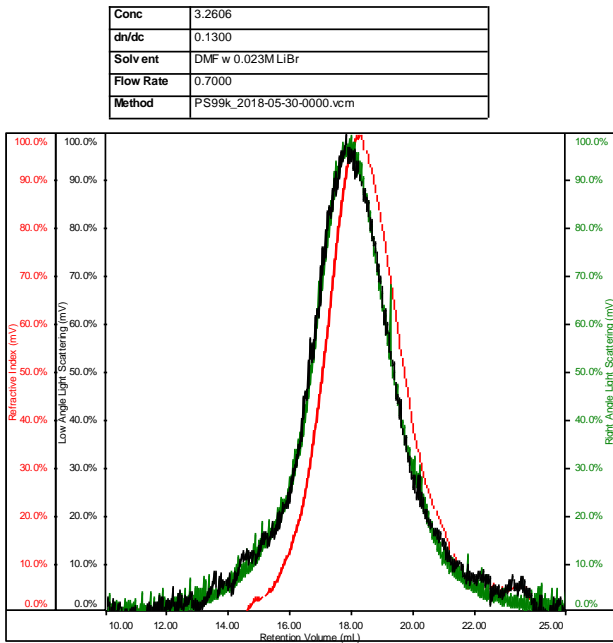


SEC elugram of the S block:



SEC elugram of the Sample:

P41225-SACN



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41225_01.vdt	30,092	32,746	29,390	1.088	0.4941