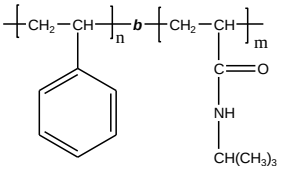
Sample Name: **Poly (styrene-b-N-isopropyl acrylamide)**

Sample #: **P16339B-SNIPAM**

Structure:



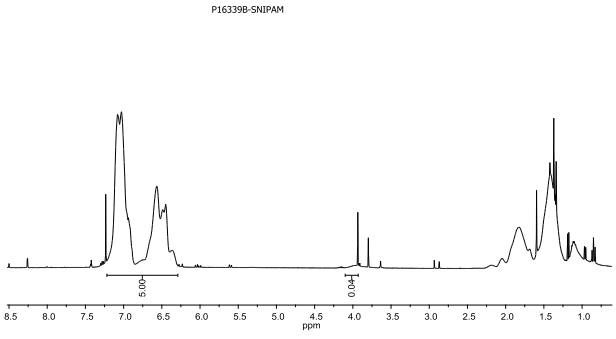
Composition:

Mn x 10^3 S-b-NIPAM	Mw/Mn (PDI)
59.0-b-1.5	1.16
For PS block:	T_g: 105^{o}C
For SNIPAM block	T_g: Not distinct
*** composition by HNMR**	**** Disribution by SEC**

Synthesis Procedure:
Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT process where styrene polymerized first followed by addition of NIPAM monomer.

Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

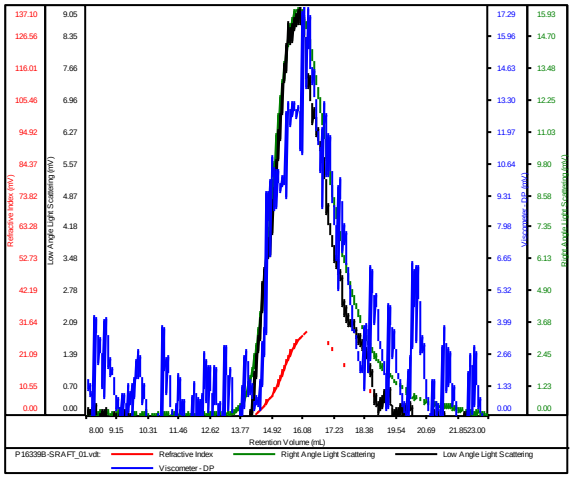
H-NMR spectrum of the Polymer:



SEC elugram of the PS macroinitiator:

P16339-BS-RAFT
Macroinitiator

Conc	1.8654
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

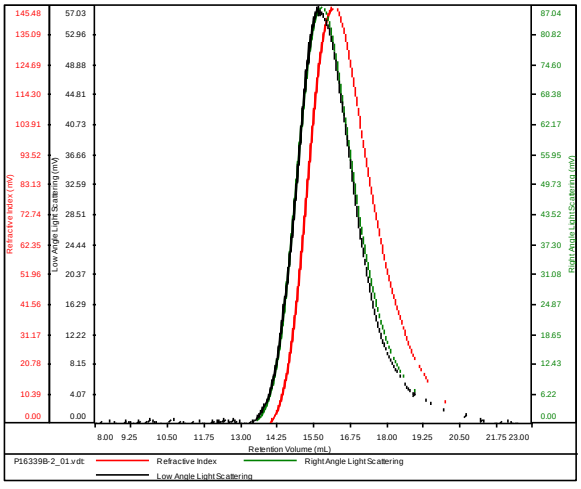


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16339B-SRAFT_01.vdt	58,734	65,244	65,278	1.111	0.2402

SEC elugram of the Sample:

P16339B-SNIPAM

Conc	9.5491
dn/dc	0.1590
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16339B-2_01.vdt	60,315	70,028	68,778	1.161	0.2481