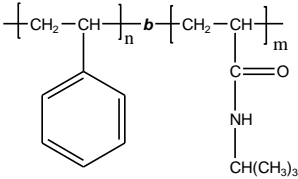


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P16340C-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
20.0-b-61.0	2.23
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

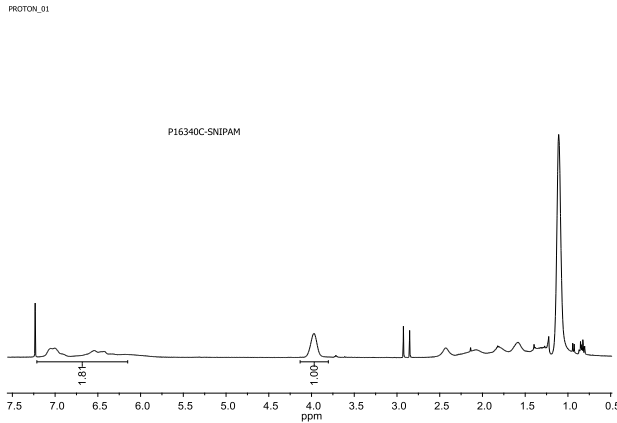
Synthesis Procedure:

Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT polymerization process, first NIPAM followed by Styrene monomer.

Characterization:

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

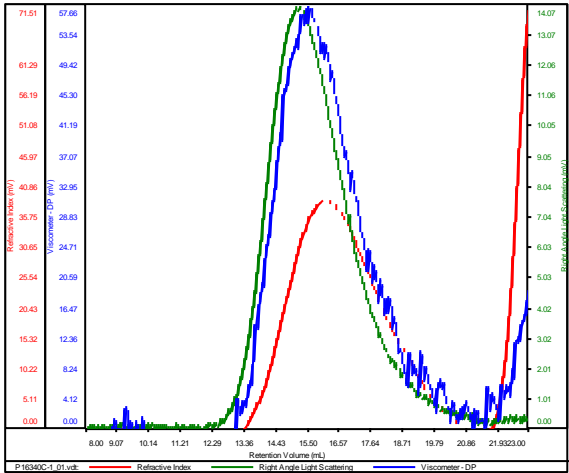
H-NMR spectrum of the Polymer:



SEC elugram of the NIPAM block:

P16340C-1

Conc	7.0512
dn/dc	0.0770
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

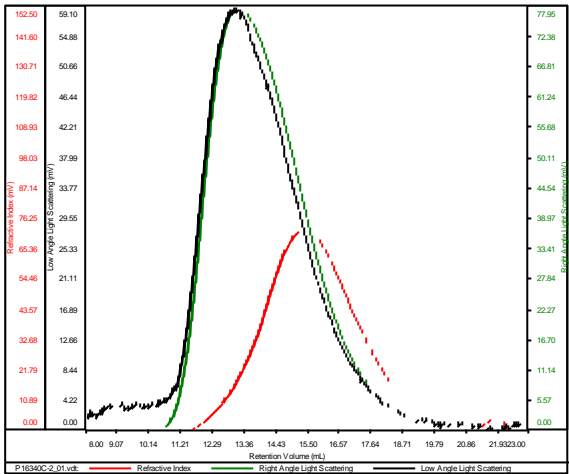


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16340C-1_01.vdt	61,202	82,252	73,453	1.344	0.3227

SEC elugram of the Sample:

P16340C-SNIPAM

Conc	8.3784
dn/dc	0.1270
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
P16340C-2_01.vdt	81,412	181,595	90,830	2.231	0.4957