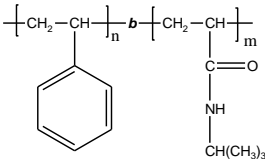


Sample Name:
Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P16339C-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
42.0-b-1.3	1.16
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

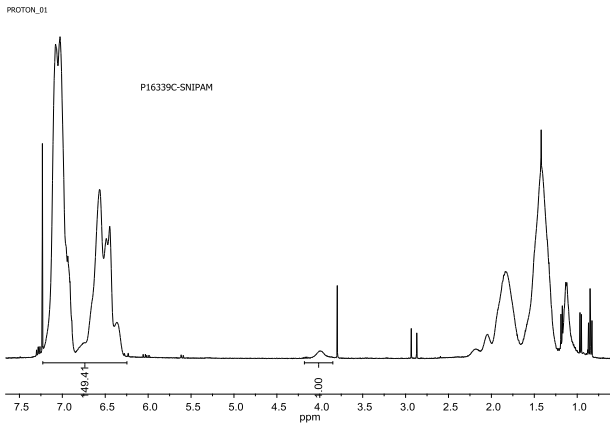
Synthesis Procedure:

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

Characterization:

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

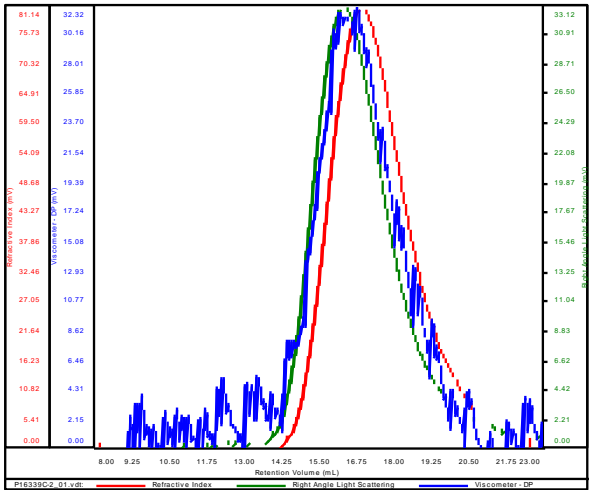
H-NMR spectrum of the Polymer:



SEC elugram of the Sample:

P16339C-SNIPAM

Conc	6.2435
dn/dc	0.1570
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
P16339C-2_01.vdt	43,180	50,176	47,236	1.162	0.1925