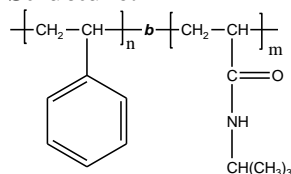


Sample Name:
Poly (styrene-b-N-isopropyl acrylamide)

Sample #: **P16339E-SNIPAM**

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
64.0b-1.3	1.23
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

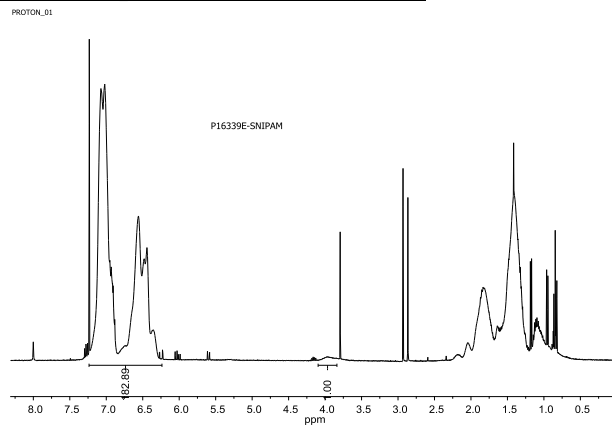
Synthesis Procedure:

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

Characterization:

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

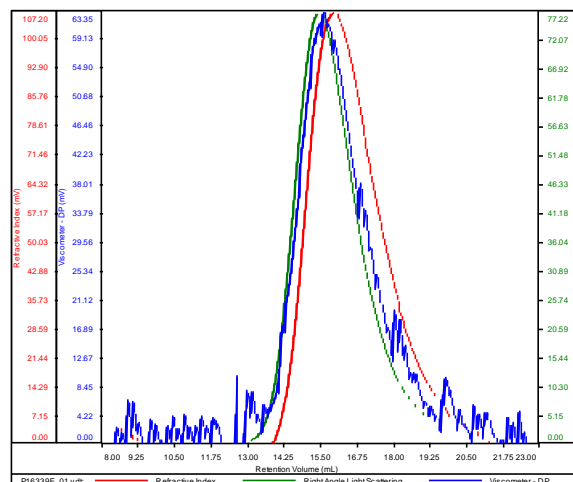
H-NMR spectrum of the Polymer:



SEC elugram of the Sample:

P16339E-SNIPAM

Conc	7.6258
dn/dc	0.1600
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
P16339E_01.vdt	65,287	80,515	81,000	1.233	0.2660