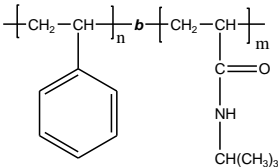


Sample Name:
Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P16340AA-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
84.0-b-23.0	1.32
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

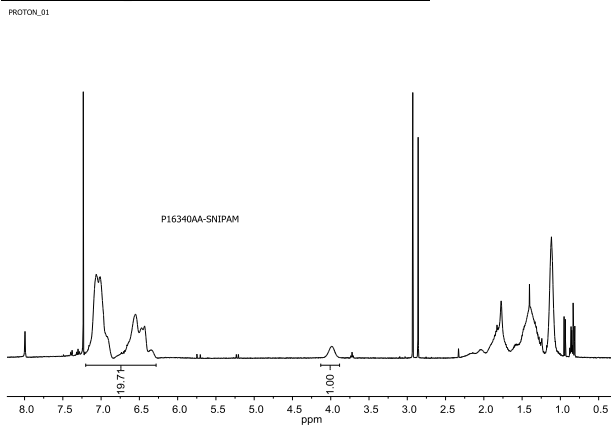
Synthesis Procedure:

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.

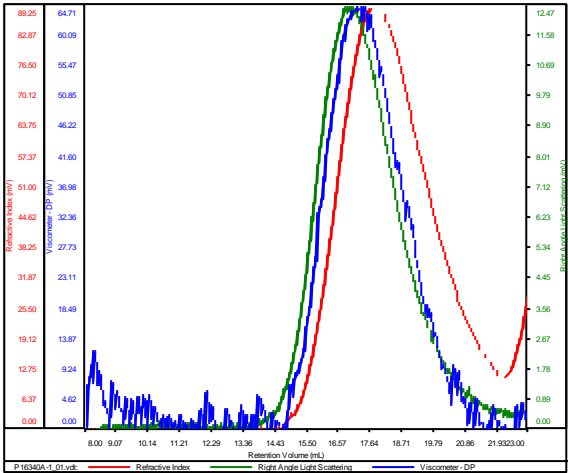
H-NMR spectrum of the Polymer:



SEC elugram of the NIPAM block:

P16340A-1

Conc	16.6222
dn/dc	0.0770
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

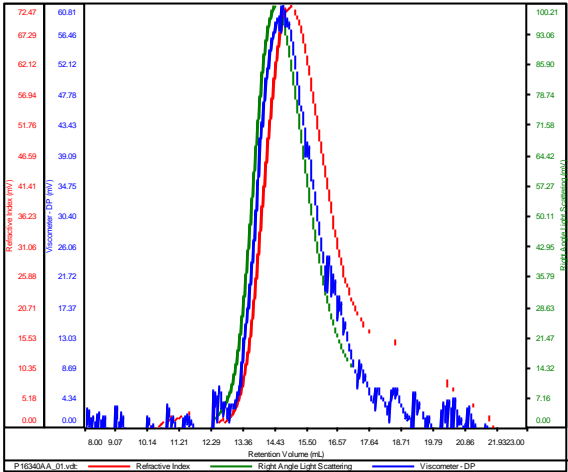


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16340A-1_01.vdt	22,985	32,330	30,803	1.407	0.1478

SEC elugram of the Sample:

P16340AA-SNIPAM

Conc	4.9965
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
P16340AA_01.vdt	107,801	142,453	148,773	1.321	0.3489