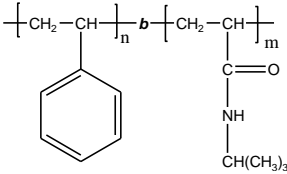


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41083-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
60.5-b-3.0*	1.07**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

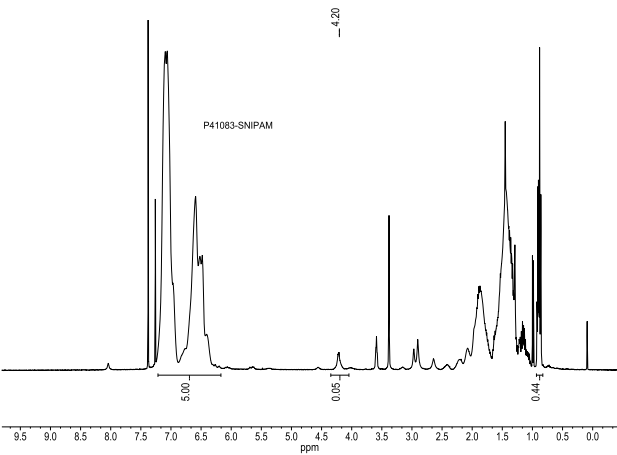
Synthesis Procedure:

Poly (styrene-b-N-isopropyl acrylamide) is prepared by anionic process. The process is proprietary at this stage.

Characterization:

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

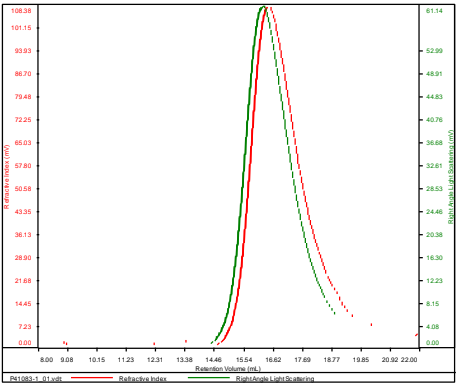
H-NMR spectrum of the Polymer:



SEC elugram of the S block:

P41083-1

Conc	5.6479
dn/dc	0.1650
Solvent	DMF w 0.023MLiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm

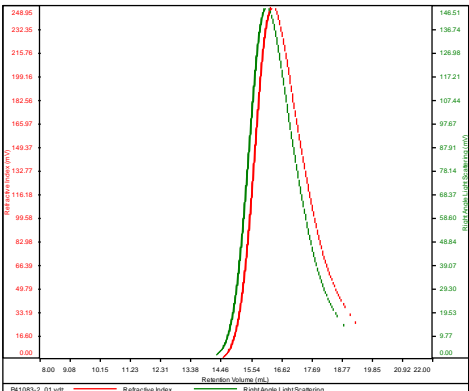


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41083-1_01.vdr	60,348	65,395	65,133	1.084	0.2621

SEC elugram of the Sample:

P41083-SNIPAM

Conc	12.9515
dn/dc	0.1650
Solvent	DMF w 0.023MLiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41083-2_01.vdr	63,606	68,005	68,628	1.069	0.2654

FTIR of the Sample:

It shows the presence of NIPAM block attached to Polystyrene block.

