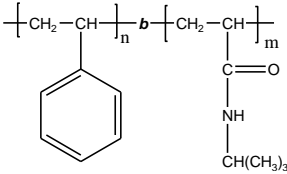


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41102A-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
47.0-b-50.0	1.4**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

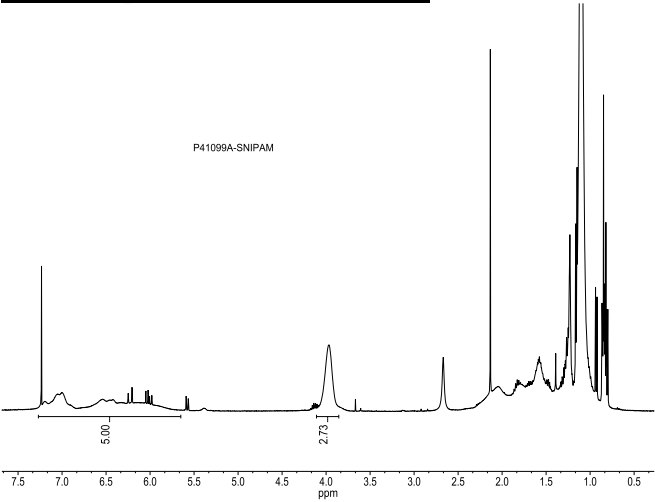
Synthesis Procedure:

Poly (styrene-b-N-isopropyl acrylamide) is prepared by anionic process.

Characterization:

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

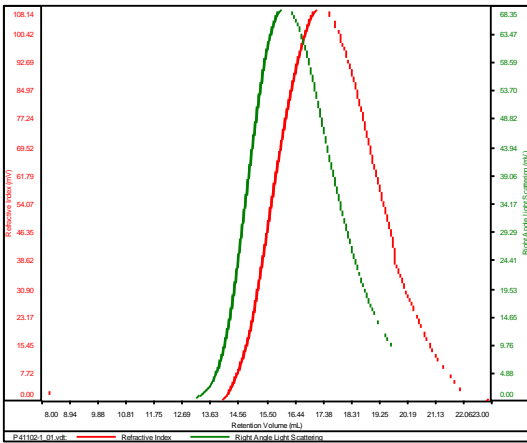
H-NMR spectrum of the Polymer:



SEC elugram of the S block:

P41102-1

Conc	9.9394
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
P41102-1_01.vdt	47,392	68,502	54,807	1.445	0.2301

FTIR of the Sample:

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

