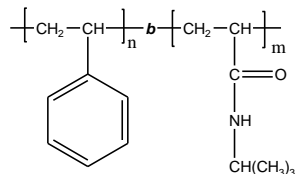


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41099A-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
17.0-b-50.0	1.28**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

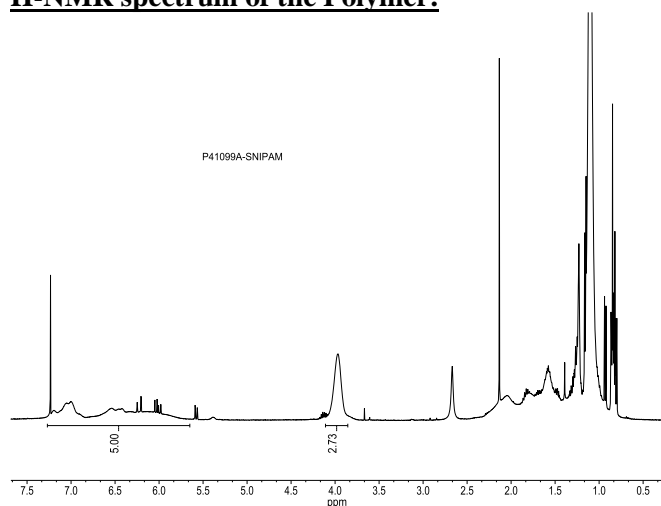
Synthesis Procedure:

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.

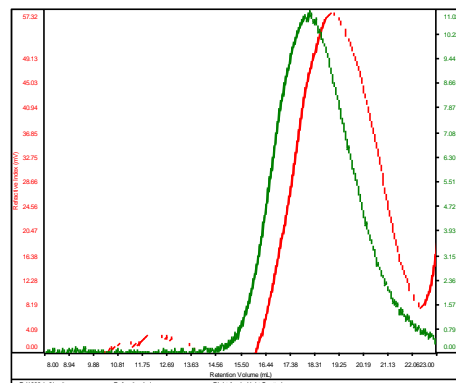
H-NMR spectrum of the Polymer:



SEC elugram of the S block:

P41099-1

Conc	4.6793
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm

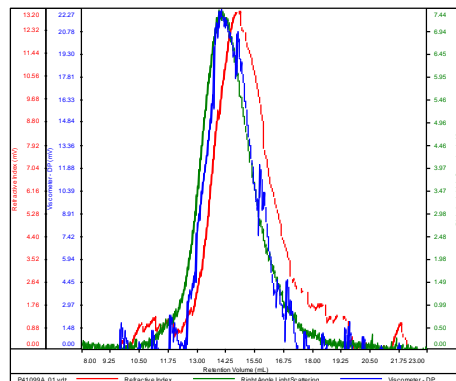


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41099-1_01.vdt	17,245	23,778	19,025	1.379	0.1096

SEC elugram of the Sample:

P41099A-SNIPAM

Conc	1.2193
dn/dc	0.1230
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
P41099A_01.vdt	70,827	91,242	73,650	1.288	0.5333

FTIR of the Sample:

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

