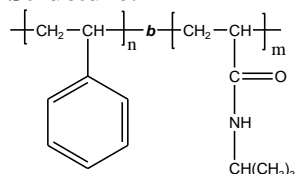


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41091A-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
133.0-b-5.5	1.03
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

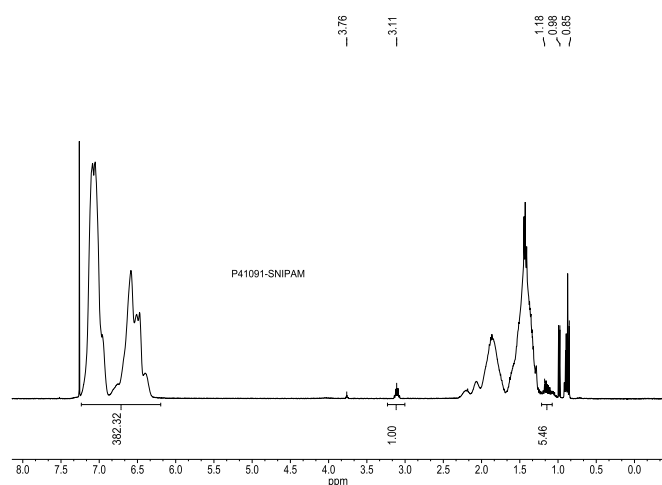
Synthesis Procedure:

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

Characterization:

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

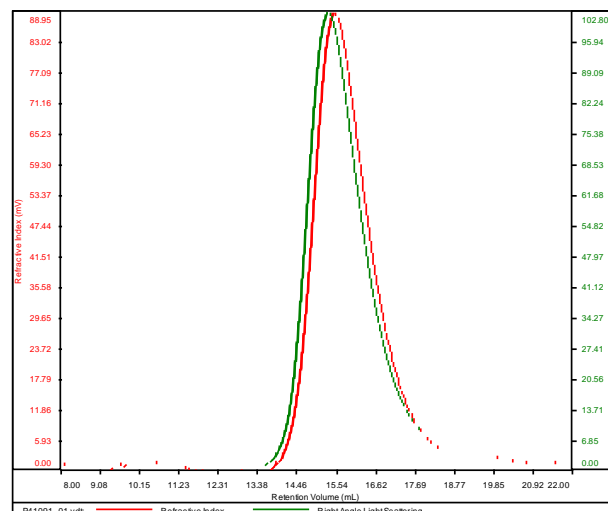
H-NMR spectrum of the Polymer:



SEC elugram of the Sample:

P41091-S-NIPAM

Conc	3.9064
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
P41091_01.vdt	138,438	142,679	137,168	1.031	0.4165

FTIR of the Sample:

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

