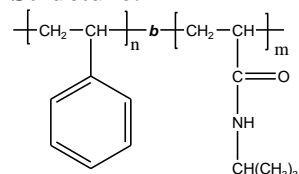


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41122B-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
29.0-b-12.5	1.4**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

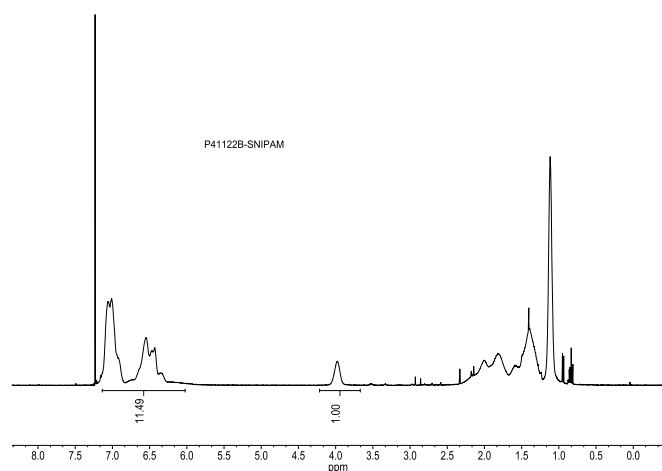
Synthesis Procedure:

Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT Process.

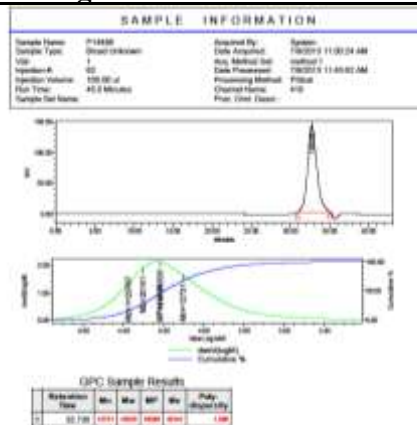
Characterization:

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

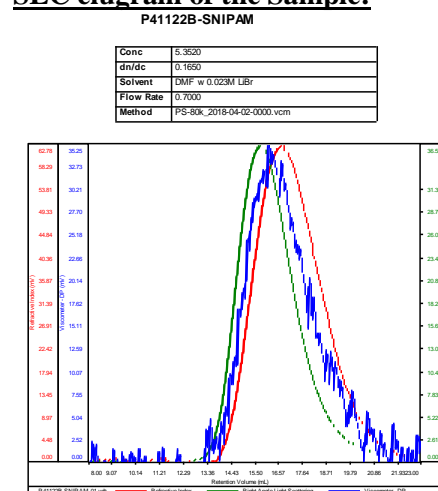
H-NMR spectrum of the Polymer:



SEC elugram of RAFT Macroinitiator:



SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41122B-SNIPAM_01.vdr	41,771	59,805	54,551	1.432	0.2621

FTIR of the Sample:

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

