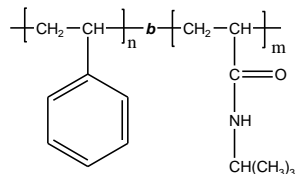


Sample Name:
Poly (styrene-b-N-isopropyl acrylamide)

Sample #: **P41122-SNIPAM**

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
59.0-b-12.5	1.55**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

Synthesis Procedure:

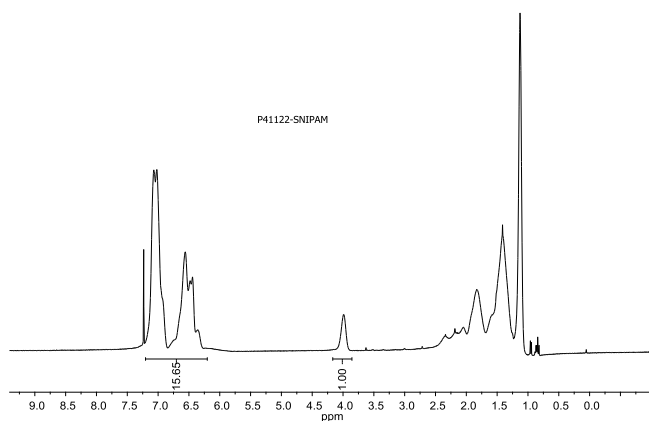
Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT Process. NIPMA first followed by Styrene monomer.

Characterization:

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

H-NMR spectrum of the Polymer:

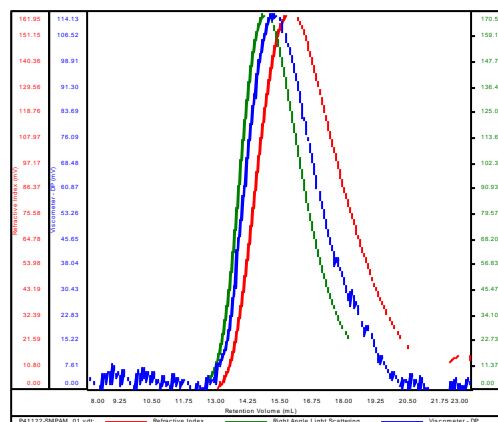
PROTON_01



SEC elugram of the Sample:

P41122-SNIPAM

Conc	16.6715
dn/dc	0.1470
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
P41122-SNIPAM_01.vdt	71,530	112,360	114,679	1.571	0.2703