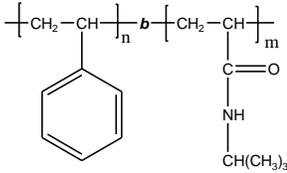


**Sample Name:**  
**Poly (styrene-b-N-isopropyl acrylamide)**

**Sample #:** P41122-SNIPAM

**Structure:**



**Composition:**

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

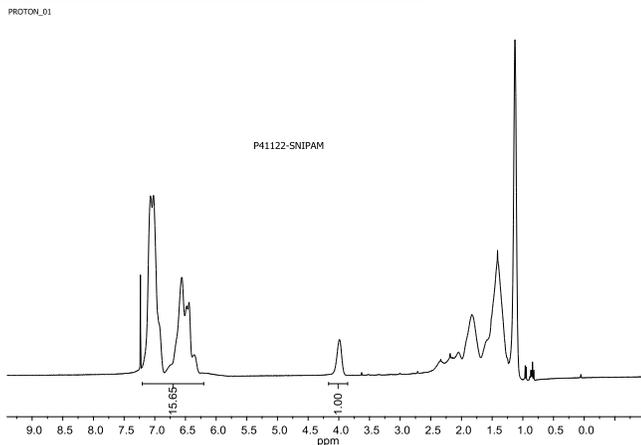
**Synthesis Procedure:**

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), <sup>1</sup>H NMR and FTIR.

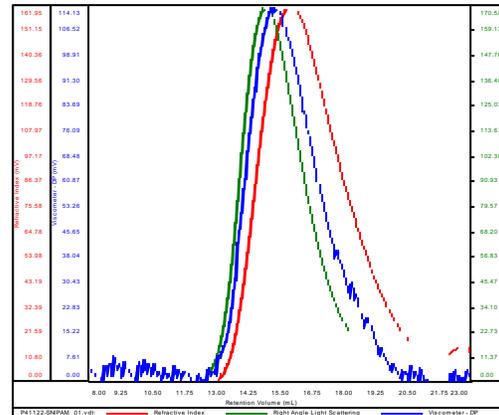
**H-NMR spectrum of the Polymer:**



**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