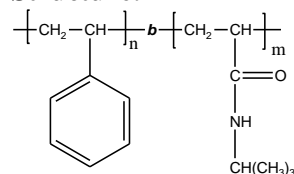


**Sample Name:** Poly (styrene-b-N-isopropyl acrylamide)

**Sample #:** P16340CC-SNIPAM

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> S-b-NIPAM	Mw/Mn (PDI)
19.0-b-26.0	1.6
<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>** Disribution by SEC</b>

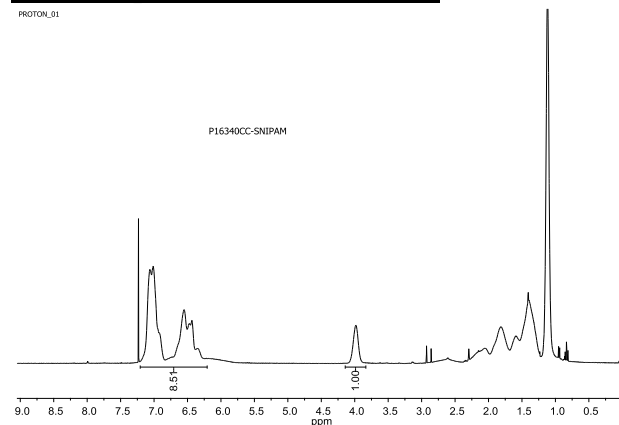
**Synthesis Procedure:**

Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT polymerization process, first NIPAM followed by Styrene monomer.

**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

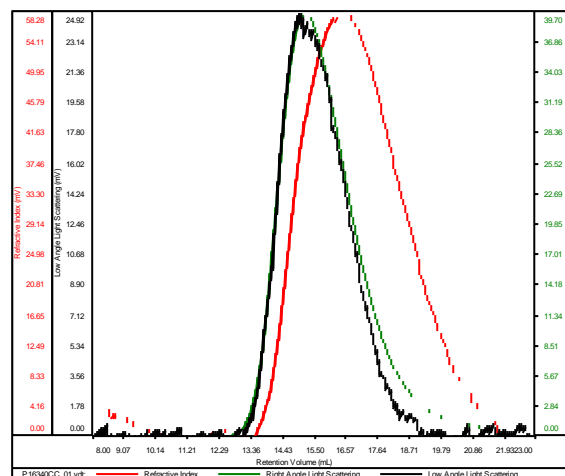
**H-NMR spectrum of the Polymer:**



**SEC elugram of the Sample:**

P16340CC-SNIPAM

Conc	7.1574
dn/dc	0.1300
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
P16340CC_01.vdt	44,630	75,774	63,896	1.698	0.2381