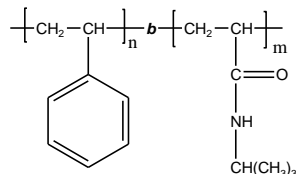


Sample Name:  
**Poly (styrene-b-N-isopropyl acrylamide)**

Sample #: **P16340DD-SNIPAM**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> S-b-NIPAM	Mw/Mn (PDI)
95.0-b-5.0	1.8
<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:**

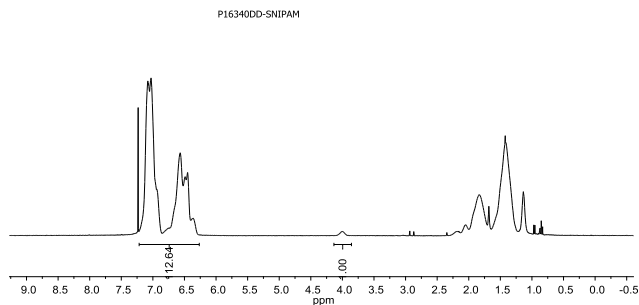
Poly (styrene-b-N-isopropyl acrylamide) is prepared by RAFT process where styrene polymerized first followed by addition of NIPAM monomer

**Characterization:**

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

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

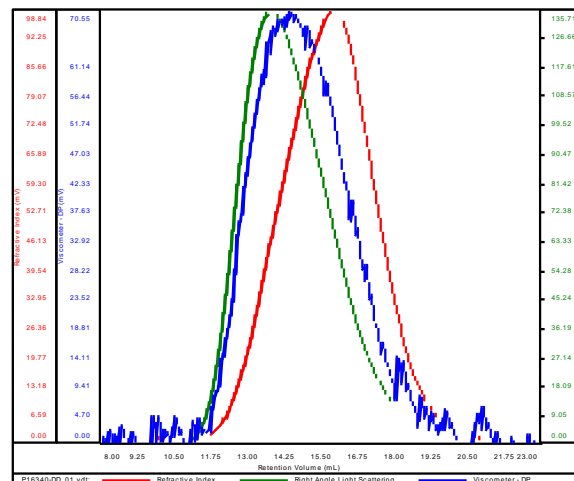
PROTON\_01



**SEC elugram of the Sample:**

**P16340DD-SNIPAM**

Conc	10.2307
dn/dc	0.1450
Solvent	DMFw 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16340-DD_01.vdt	100,650	185,477	103,351	1.843	0.3331