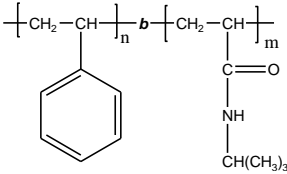


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41093-SNIPAM

Structure:



Composition:

Mn x 10 <sup>3</sup> S-b-NIPAM	Mw/Mn (PDI)
75.0-b-8.0	1.05**
For PS block:	T <sub>g</sub> : 105°C
For SNIPAM block	T <sub>g</sub> : Not distinct
* composition by HNMR	** Disribution by SEC

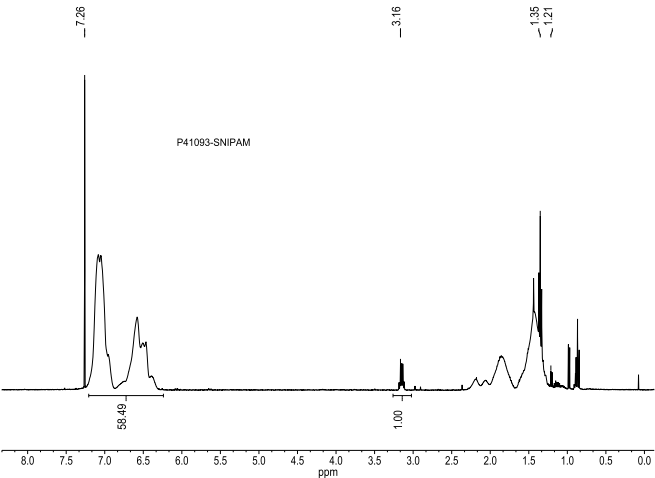
Synthesis Procedure:

Poly (styrene-b-N-isopropyl acrylamide) is prepared by anionic polymerization process.

Characterization:

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

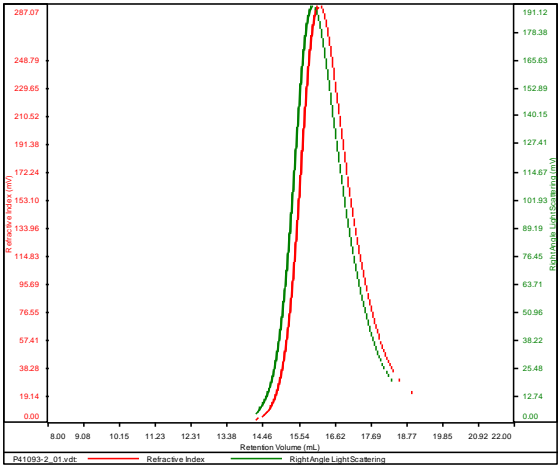
H-NMR spectrum of the Polymer:



SEC elugram of the Sample:

P41093-S-NIPAM

Conc	15.6342
dn/dc	0.1370
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
P41093-2_01.vdt	92,701	96,960	93,488	1.046	0.2243

FTIR of the Sample:

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

