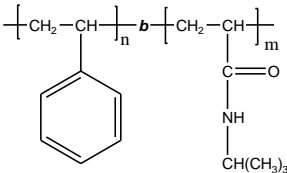


Sample Name: Poly (styrene-b-N-isopropyl acrylamide)

Sample #: P41100-SNIPAM

Structure:



Composition:

Mn x 10 ³ S-b-NIPAM	Mw/Mn (PDI)
21.0-b-21.0	1.5**
For PS block:	T _g : 105°C
For SNIPAM block	T _g : Not distinct
* composition by HNMR	** Disribution by SEC

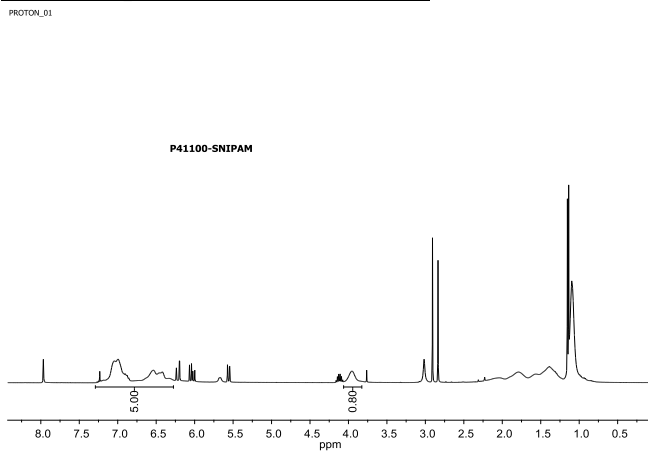
Synthesis Procedure:

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

Characterization:

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

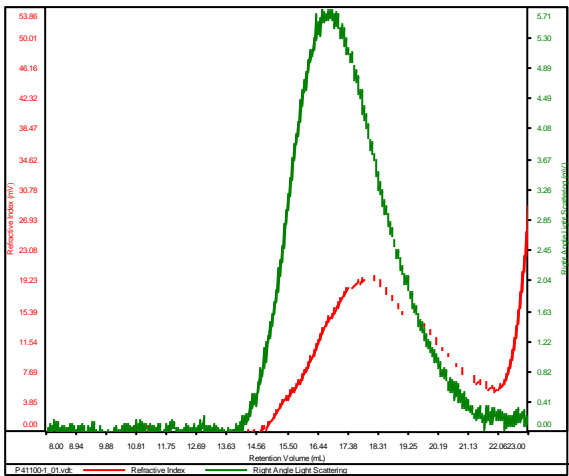
H-NMR spectrum of the Polymer:



SEC elugram of the S block:

P41100-1

Conc	1.7942
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

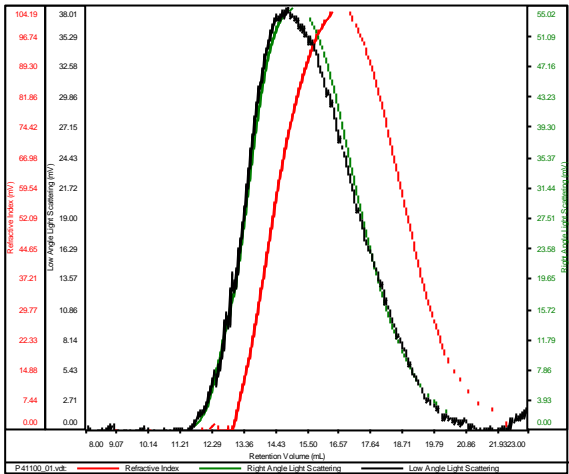


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41100-1_01.vcf	20,823	32,354	23,084	1.554	0.6964

SEC elugram of the Sample:

P41100-SNIPAM

Conc	12.8808
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
P41100_01.vcf	42,140	64,685	53,393	1.535	0.4915