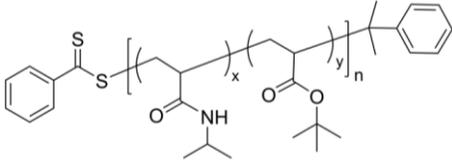


**Sample Name:** Poly(N-isopropyl acrylamide-co-tert-butyl acrylate), random

**Sample#:** P60656-NIPAMtBuAran

**Structure:**

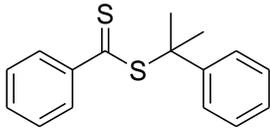


**Composition:**

$M_n \times 10^3$	PDI
48.2	1.33
Poly(NIPAM) <sub>350</sub> -Poly(tBuA) <sub>70</sub> NIPAM: tBuA = 5:1 mol%	

**Synthesis Procedure:**

The polymer was synthesized by RAFT polymerization process using the following RAFT CTA:



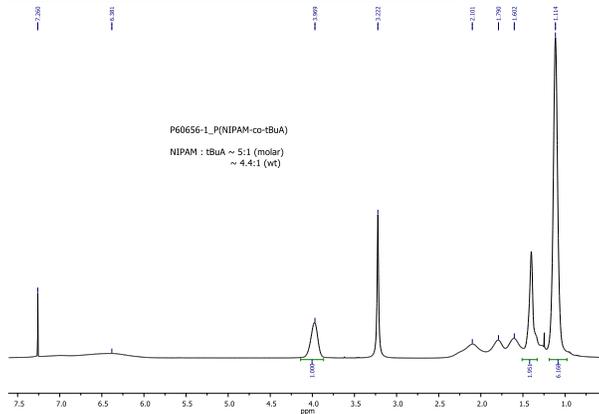
**Characterization:**

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

**Solubility:**

Polymer is soluble in DMF, cold water, THF and methanol.

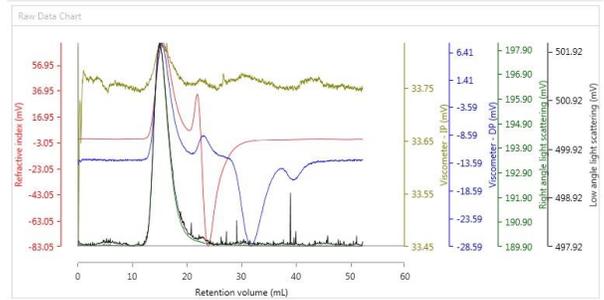
**HNMR of the polymer run in CdCl<sub>3</sub>**



**SEC elugram of NIPAMtBuAran copolymer:**

GPC DMF

Malvern Panalytical



Results (Columns)	
P60656-NIPAMtBuA	
Injection 1	
Peak 1	
Mn (g/mol)	48.172
Mw (g/mol)	64.179
Mw/Mn	1.332
Mp (g/mol)	54.482