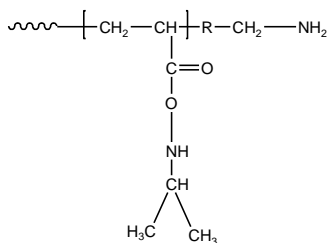


**Sample Name: Amino Terminated Poly(N-isopropyl acrylamide),**

Sample #: **P20150D-NIPAMNH2**

### Structure:

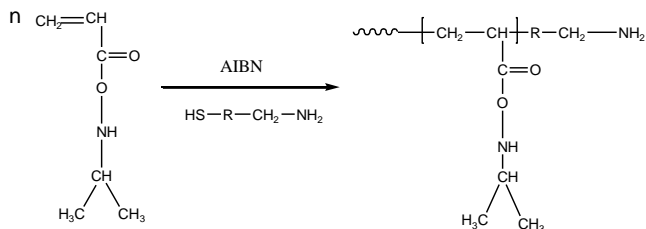


**Composition:**

Mn x 10 <sup>3</sup>	PDI
5.0	1.5

### Synthesis Procedure:

Amino Terminated Poly(N-isopropyl acrylamide) was prepared by free-radical polymerization of N-isopropyl acrylamide in the presence of an amino group containing chain-transfer agent. The final polymer was purified by fractionation. The scheme of the reaction is illustrated below:



**Characterization:**

The molecular weight was determined by titration and polydispersity index of this polymer was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. Functionality by titration using  $\text{HClO}_4$ /Crystal violet in  $\text{CHCl}_3$ /acetic acid.

**Solubility:**

The polymer is soluble in water, THF,  $\text{CHCl}_3$  and  $\text{CH}_2\text{Cl}_2$ , insoluble in hexane and ether

**SEC of Sample:**

SAMPLE ID: P20150D-NIPAM-NH2

Conc (mg/mL)	159277
dn/dc (mL/g)	0.070
Method	PSSDK-TSP201+0000um
Bol vent	DNF w 0000 U Br
Column	PSS

