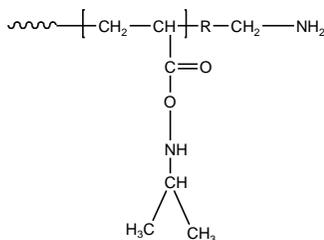


**Sample Name:** Amino Terminated Poly(N-isopropyl acrylamide),

**Sample #:** P20150D-NIPAMNH2

**Structure:**

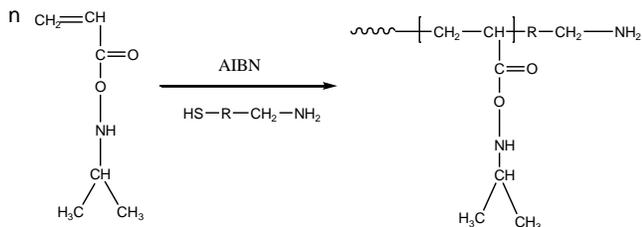


**Composition:**

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 HClO<sub>4</sub>/Crystal violet in CHCl<sub>3</sub>/acetic acid.

**Solubility:**

The polymer is soluble in water, THF, CHCl<sub>3</sub> and CH<sub>2</sub>Cl<sub>2</sub>, insoluble in hexane and ether

**SEC of Sample:**

SAMPLE ID: P20150D-NIPAM-NH2

Conc (mg/ml)	159277
dn/dc (ml/g)	0.0770
Method	PSSDK-REFEP201400000cm
Eluent	DME w/ 0.03M UBr
Column	PSS

