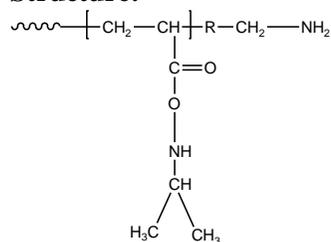


Sample Name: Poly (N-isopropyl acrylamide), α -amino-terminated

Sample #: P2180D-NIPAMNH2

Structure:

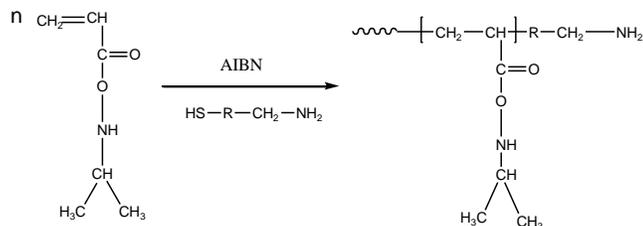


Composition:

$M_n \times 10^3$	PDI
13.3	2.13

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 and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

The polymer is soluble in water, THF, chloroform and dichloromethane; and is insoluble in hexane and ether.

SEC of Sample:

