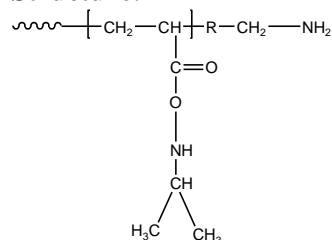


Sample Name: Amino Terminated Poly(N-isopropyl acrylamide),

Sample #: P7103E-NIPAMNH2

Structure:

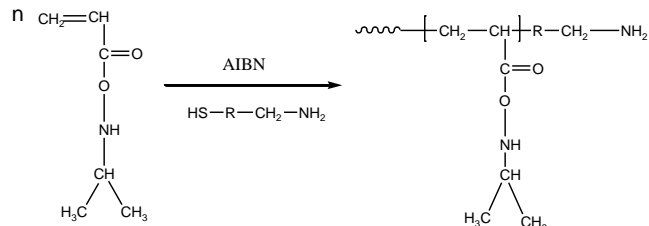


Composition:

$M_n \times 10^3$	PDI
1.5	1.3

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:

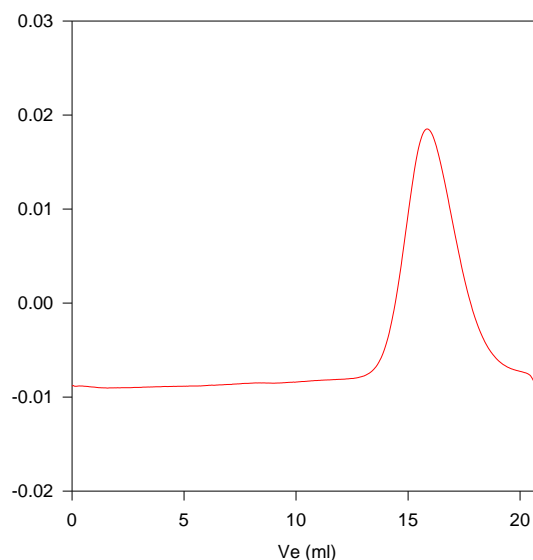
The molecular weight was determined by titration and polydispersity index of this polymer was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

The polymer is soluble in water, THF, CHCl_3 and CH_2Cl_2 , insoluble in hexane and ether

SEC of Sample:

P7103E-NIPAMNH2



Size exclusion chromatography of amino ended poly(N-isopropylacrylamide)

with respect to polystyrene standards:

Eluent: DMF

$M_w/M_n=1.3$, M_n by titration: 1500