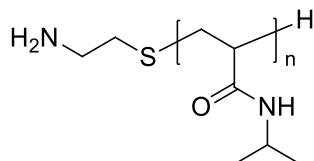


**Sample Name: Poly(N-isopropyl acrylamide),  $\alpha$ -Amino Terminated**

**Sample #: P60691-22-NIPAMNH2**

**Structure:**

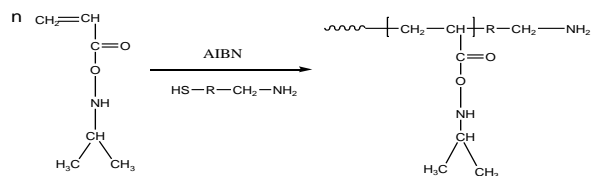


**Composition:**

Mn x 10 <sup>3</sup>	PDI
234.8	1.32

**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:



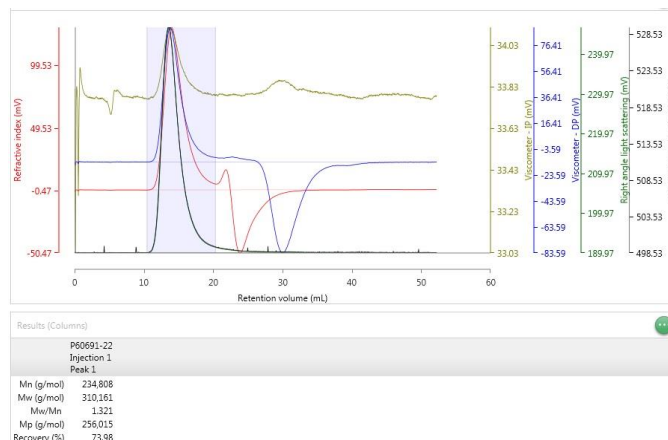
**Characterization:**

GPC-SEC experiments for MW and polydispersity determination, were performed on Agilent or Malvern tri-detector systems, equipped with a refractive index, viscometer and light-scattering detectors and a set of two or three Supelco columns. DMF, with up to 0.02M of LiBr, was used as a mobile phase.

**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 profile of the Sample:**



Dn/dc value used: 0.077 mL/g