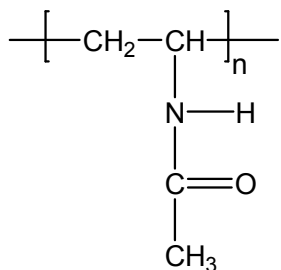


Sample Name: Poly(N-vinylacetamide)

SEC of Homopolymer:

Sample #: P14045-NVA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	Mw x 10 <sup>3</sup>	PDI
2.28	2.48	1.09

**Synthesis Procedure:**

Poly(N-vinylacetamide) is prepared by controlled radical process.

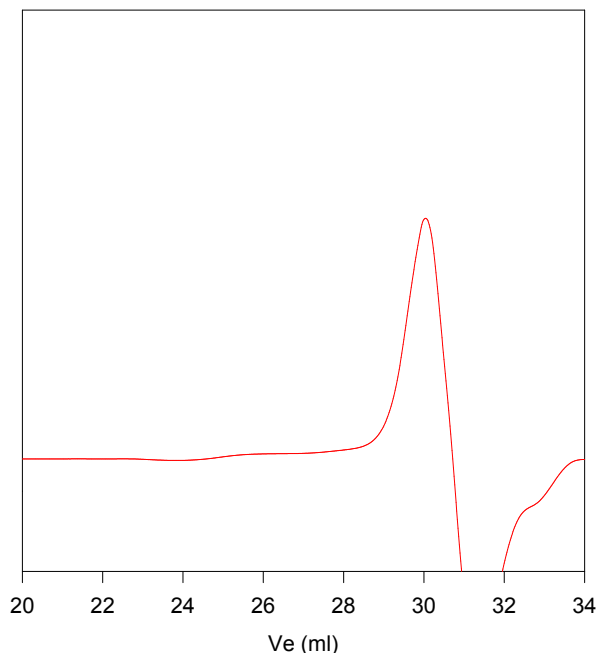
**Characterization:**

The molecular weight and polydispersity index (PDI) were obtained by size exclusion chromatography (SEC) in DMF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

**Solubility:**

Poly(N-vinylacetamide) is soluble in water, DMF, insoluble in acetone, hexane and ether.

**P14045-NVA**



Size exclusion chromatography of copolymer:

M<sub>n</sub>=2280, M<sub>w</sub>=2480, PI=1.09