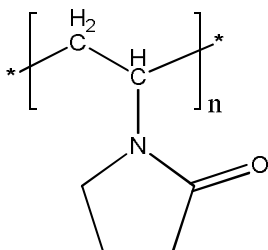


Sample Name: Poly(N-vinyl pyrrolidinone)
(Dialized form)

Sample # P14999C-NVP

Structure:



Composition:

Mn × 10 ³ (g/mol)	Mw/Mn
6.5 (by H-NMR)	
27.5 (by SEC, using PS as a standard)	1.7

Synthesis procedure:

Poly(N-vinyl pyrrolidinone) was synthesized by free radical polymerization using mercaptoethanol chain-transfer reagent.

Purification procedure:

The polymer was purified by column chromatography method on silica gel using de-ionized water as an eluent, followed by dialysis.

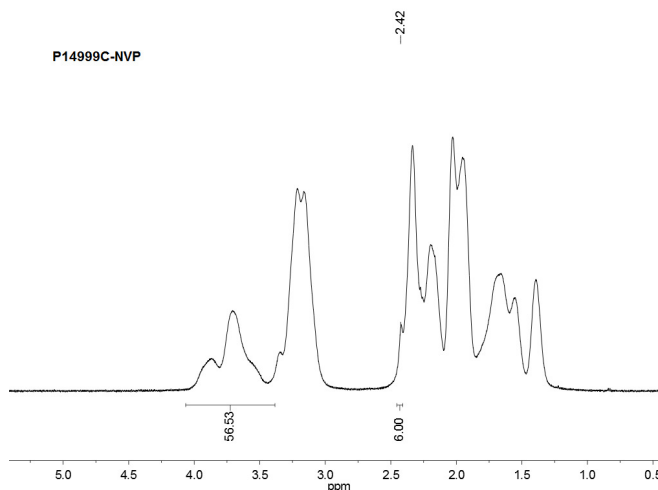
Characterization:

The polymer was analyzed by ¹H NMR spectroscopy and size exclusion chromatography (SEC).

Solubility:

Poly(N-vinyl pyrrolidinone) is soluble in water.

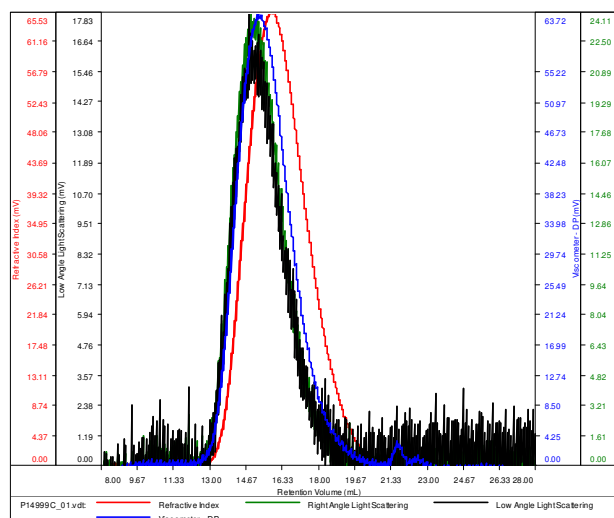
¹H NMR spectrum of the polymer in CDCl₃:



SEC elugram of the polymer in DMF:

P14999C-NVPNH2

Conc (mg/mL)	1.6810
dn/dc (mL/g)	0.1650
Method	ps80k-30March2016- DMF- 0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14999C_01.vdt	27,568	46,471	42,856	1.686	1.2140