

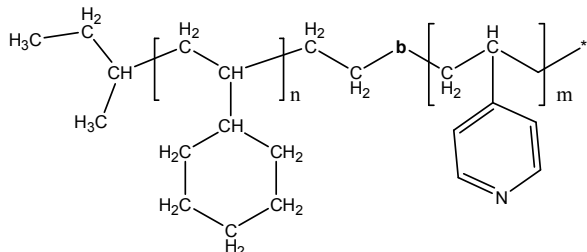
Sample Name:

**Poly Vinyl Cyclohexane-b-4Vinylpyridine**

**Synonym: Poly Cyclohexyl ethylene-b-4Vinylpyridine**

Sample #: **P16165-VCH4VP**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
17.5-b-3.0	1.04

**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

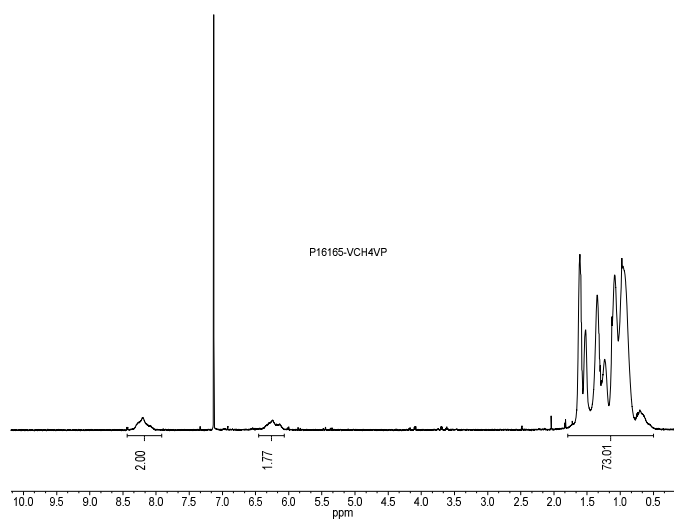
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**Solubility:**

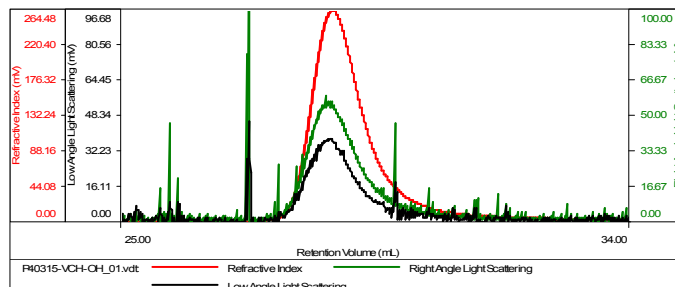
Polymer is soluble in toluene, THF, CHCl<sub>3</sub> and can be precipitated in water and cold methanol.

**<sup>1</sup>H NMR spectrum of the Polymer:**



**SEC elugram of PCHE before attaching 4VP block**

Concentration (mg/mL)	5.0435
Sample dn/dc (mL/g)	0.1550
Method File	PS80K-Nb/2016-6-0000.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Mp (Da)
P40315-VCH-CH_01.v	17,536	18,284	1.043	0.1670	17,081