

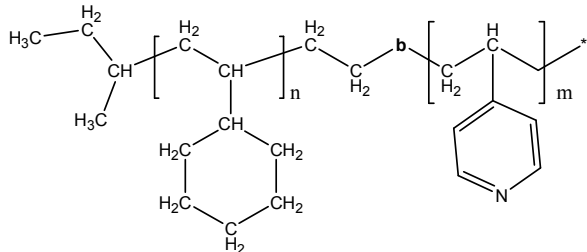
Sample Name:

Poly Vinyl Cyclohexane-b-4Vinylpyridine

Synonym: Poly Cyclohexyl ethylene-b-4Vinylpyridine

Sample #: **P40315C-VCH4VP**

Structure:



Composition:

Mn x 10 ³	PDI
17.5-b-1.5	1.04

Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

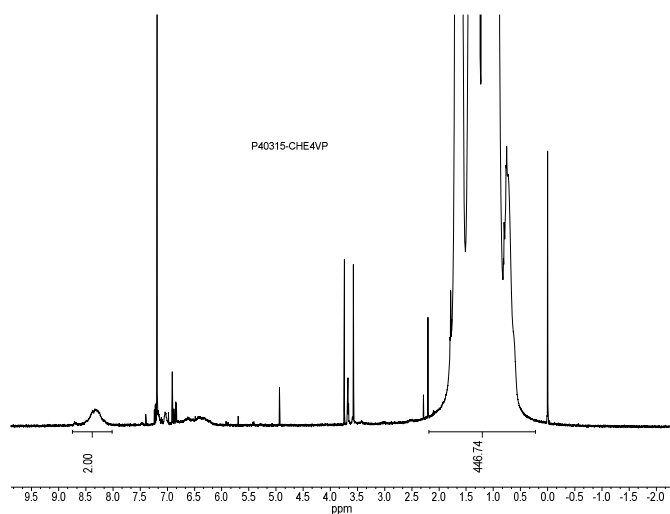
Characterization:

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

Solubility:

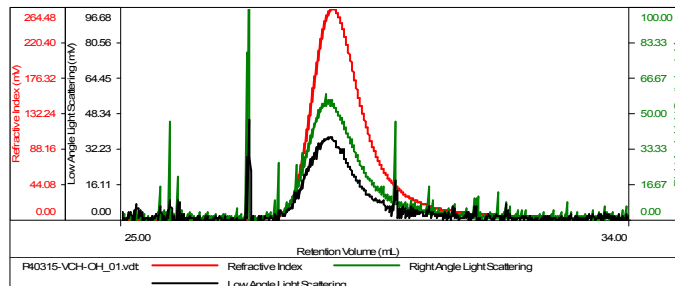
Polymer is soluble in toluene, THF, CHCl₃ and can be precipitated in water and cold methanol.

¹H 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.vcm
Column Set	3x PL 1113-6300
Solvent	THF



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