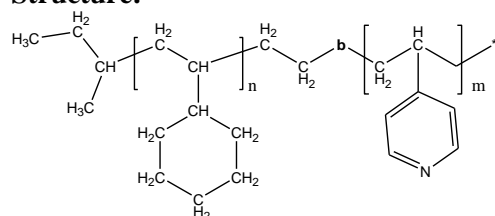


Sample Name: 4 vinyl pyridine terminated Poly Vinyl Cyclohexane
Synonym: 4 vinyl pyridine terminated Poly Cyclohexyl ethylene

Sample #: P40342A-VCH4VP

Structure:



m: 2 units

Composition:

Mn x 10 ³	PDI
17.5-b-0.2	1.04
Tg	126.5 ⁰ C

Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

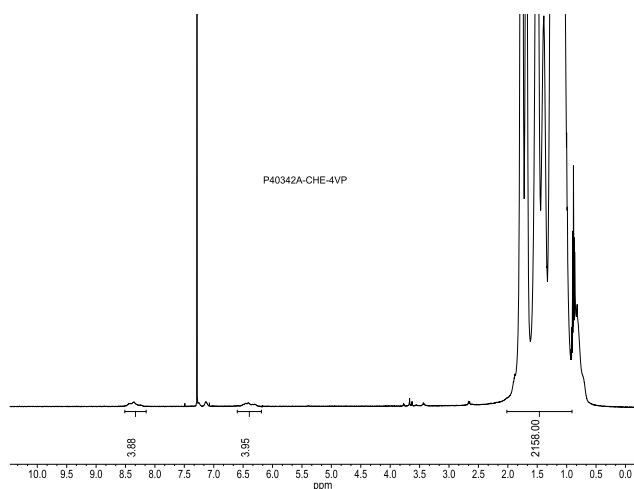
Characterization:

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

Solubility:

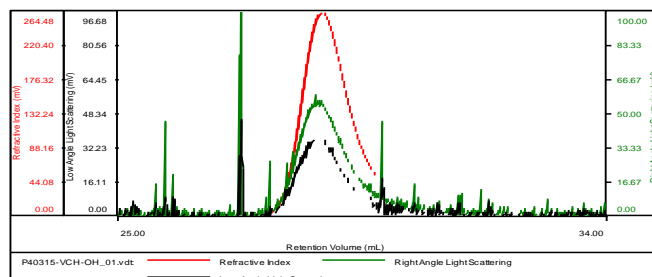
Polymer is soluble in THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

¹H NMR spectrum of Homopolymer:



SEC elugram of Homopolymer

Concentration (mg/mL)	5.0435
Sample dn/dc (mL/g)	0.1550
Method File	PS80K-Nov2016-6-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40315-VCH-OH_01.vi	17,536	18,284	1.043	0.1670	17,081

DSC thermogram of Homopolymer

