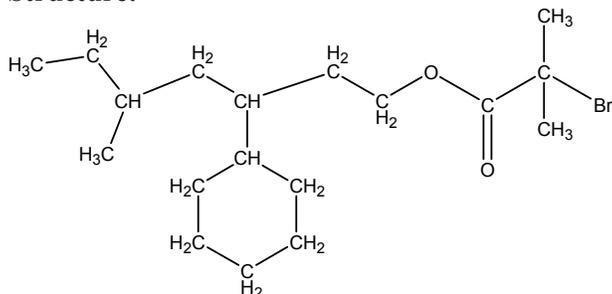


Sample Name: **ω -Bromo-terminated Poly (vinyl cyclohexane)****Synonym:** **ω -Bromo-terminated Poly (cyclohexyl ethylene)****Sample #: P40315A- VCH-Br****Structure:****Composition:**

$M_n \times 10^3$	PDI
17.5	1.04
T_g ($^{\circ}C$)	92

Synthesis Procedure:

ω -Br Terminated Poly cyclohexyl ethylene was prepared by Hydrogenation of OH terminated Polystyrene. Obtained polymer was treated with α -Bromoisobutyryl bromide.

Characterization:

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

Solubility:

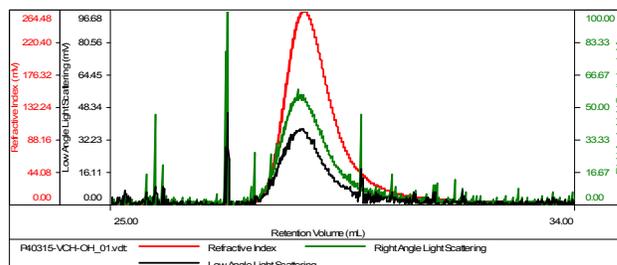
Polymer is soluble in toluene, THF, $CHCl_3$ and can be precipitated in water and cold methanol.

SEC elugram of the Sample:

Used to convert OH terminal to Br

P40315-VCH-Br

Concentration (mg/mL)	5.0435
Sample dn/dc (mL/g)	0.1550
Method File	PS80K-Nb/20166-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	M_n (Da)	M_w (Da)	M_w/M_n	IV (dL/g)	M_p (Da)
P40315-VCH-CH_01.v	17,536	18,284	1.043	0.1670	17,081

 1H NMR spectrum of the Polymer: VCH-OH terminated