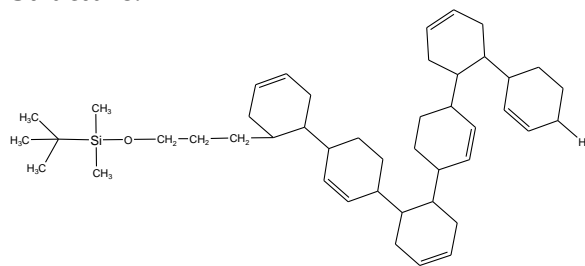


**Tert.butyldimethylsiloxy terminated poly
Cyclohexadiene(1-4 and 1,2 addition)**

Sample #: P9464-CHD-OHP

Structure:



Composition:

Mn x 10 ³	PDI
0.8	1.2

Synthesis Procedure:

Tert.butyl dimethyl siloxy terminated
terminated Poly cyclohexadine with 1,4
and 1,2 addition obtained by anionic
polymerization in cyclohexane using
tert.butyl dimethyl siloxy propyl lithium
initiator

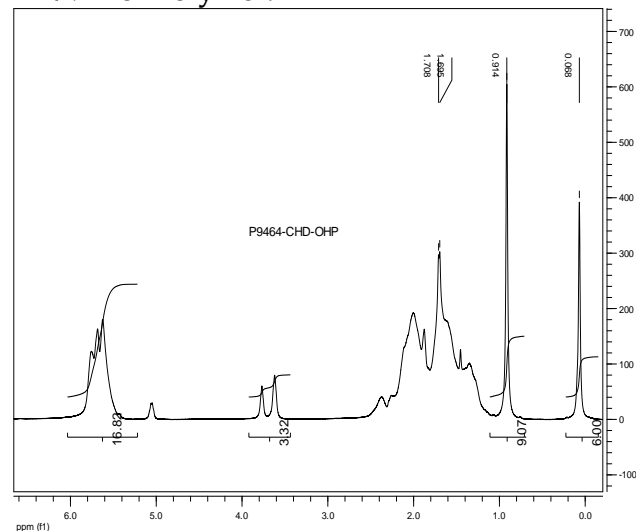
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography. Polymer characterized by HNMR

Solubility:

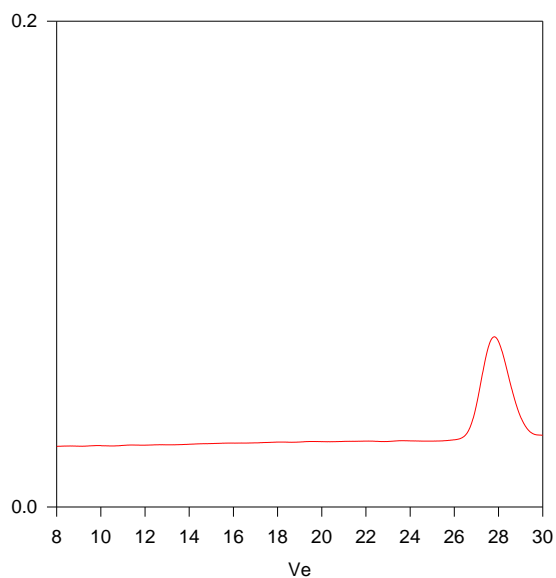
Polymer 1 is soluble in THF obtained a solution

HNMR of Polymer:



SEC of Homopolymer:

P9464- CHD-OHP



Size Exclusion Chromatography profile of the product:
OH protected Poly cyclohexadiene rich in 1,4 and 1,2 addition
 $M_n = 1000$, $M_w = 1200$, $PI = 1.2$