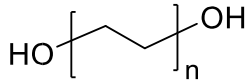


Sample Name:

Poly(ethylene), α,ω -bis(hydroxy)-terminated

Product #: P43330-E2OH

Structure:



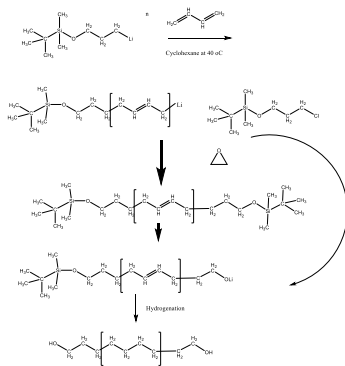
Composition:

Mn x 10 ³	PDI
5.0	1.01

1,4 Contents: 90%

Synthesis Procedure:

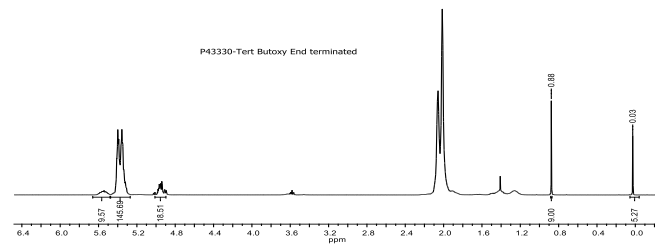
1,4-rich microstructure addition dihydroxy terminated polybutadiene was prepared by anionic living polymerization of butadiene in a polar solvent such as cyclohexane. The following reaction scheme shows how the product was prepared:



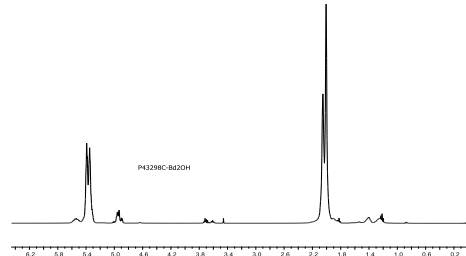
Characterization:

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

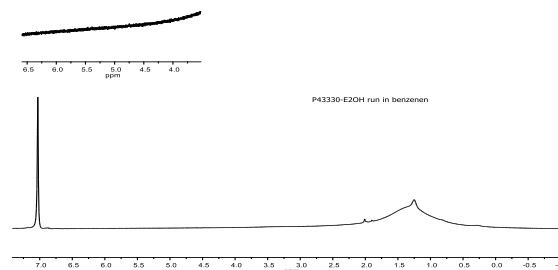
¹H-NMR spectrum of the Tert Butyldimethylsiloxy OH terminated Sample:



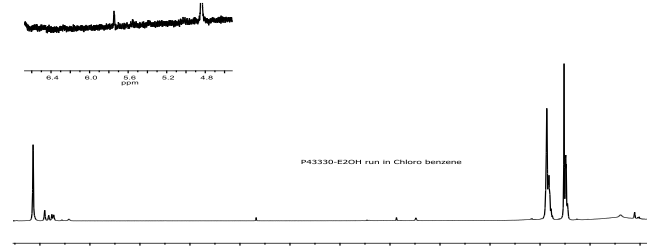
¹H NMR spectrum of the Bd2OH Sample:



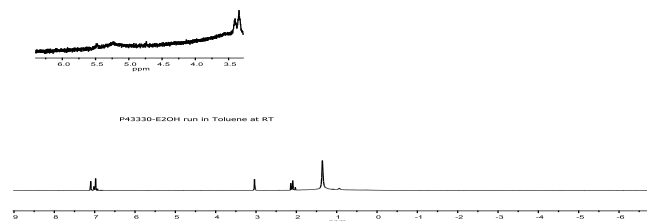
HNMR of the polymer PE-2OH run in Benzene at Room Temperature:



HNMR of the polymer PE-2OH run in Chloro Benzene at Room Temperature



HNMR of the polymer PE-2OH run in toluene at Room Temperature



SEC elugram of the Bd2OH Sample:

