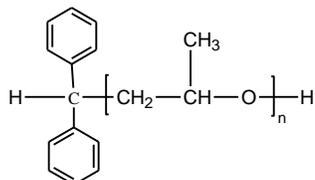


**Sample Name: Polypropylene glycol Diphenyl end terminated**

**Sample #: P42434-PO-diphenyl**

**Structure:**

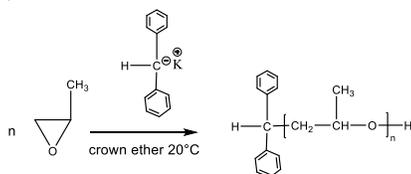


**Composition:**

Mn x 10 <sup>3</sup>	PDI
9.0	1.05

**Synthesis Procedure:**

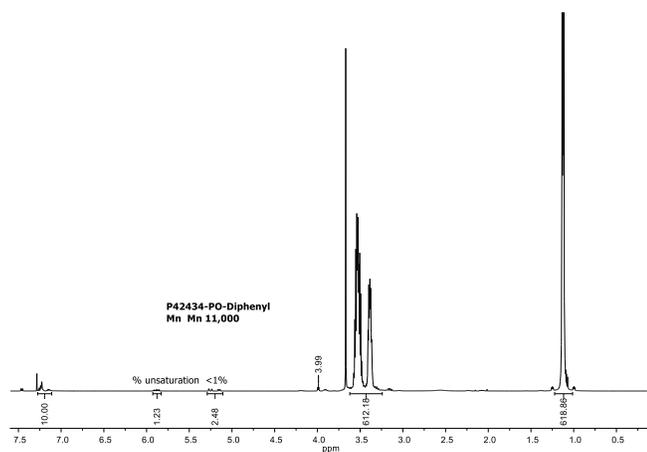
Polypropylene oxide is synthesized by anionic polymerization of propylene oxide as illustrated in the reaction scheme below



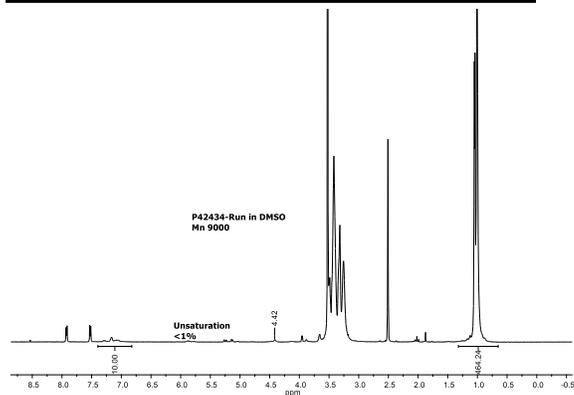
**Characterization:**

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

**<sup>1</sup>H NMR spectra of the Polymer in CdCl<sub>3</sub>:**



**HNMR spectrum of the Sample in DMSO:**



**SEC elugram of Homopolymer:**  
P42434-PO-DPI

