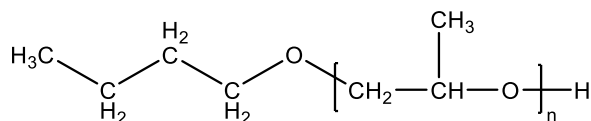


Sample Name:

**$\alpha$ -Butyl ether-terminated-poly propylene oxide  
or Poly propylene glycol Butyl ether**

Sample #: **P42434S-PO-OBu**

**Structure:**

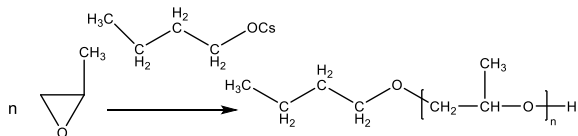


**Composition:**

Mn x 10 <sup>3</sup>	PDI
7.0	1.35

**Synthesis Procedure:**

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



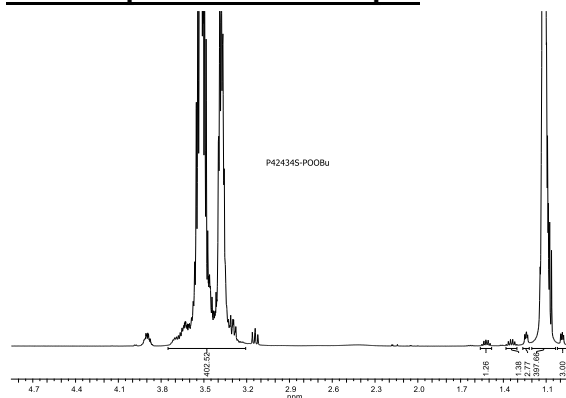
**Characterization:**

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

**Purification:**

Polymer purified by passing through Al<sub>2</sub>O<sub>3</sub> packed column to remove the catalytic impurities.

**<sup>1</sup>H NMR spectrum of the Sample:**



**SEC profile of Homopolymer:**

