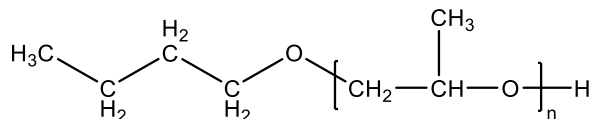


Sample Name:

**α -Butyl ether-terminated-poly propylene oxide
or Poly propylene glycol Butyl ether**

Sample #: **P42434V-PO-OBu**

Structure:

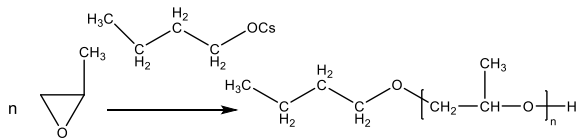


Composition:

Mn x 10 ³	PDI
2.6	1.35

Synthesis Procedure:

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



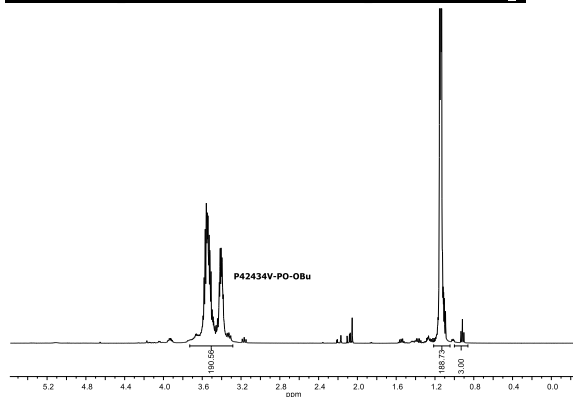
Characterization:

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

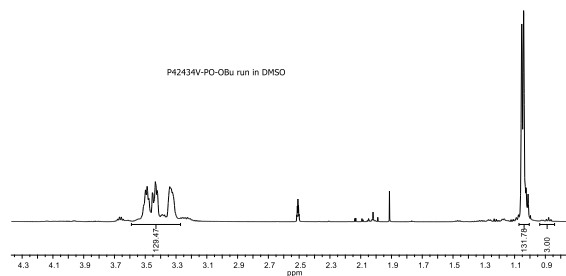
Purification:

Polymer purified by passing through Al₂O₃ packed column to remove the catalytic impurities.

HNMR spectrum of the Sample in CdCl₃:



HNMR spectrum of the Sample in DMSO:



SEC elugram of Homopolymer:

