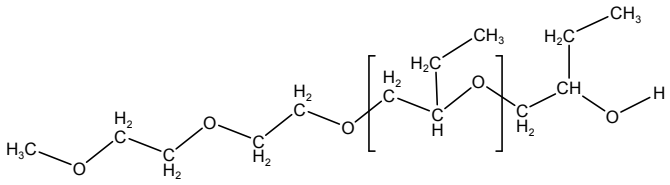
Sample Name:

α-methyl ether-terminated-poly propylene oxide or Poly propylene glycol methyl ether

Sample #: **P10368C-POOCH3**

Structure:

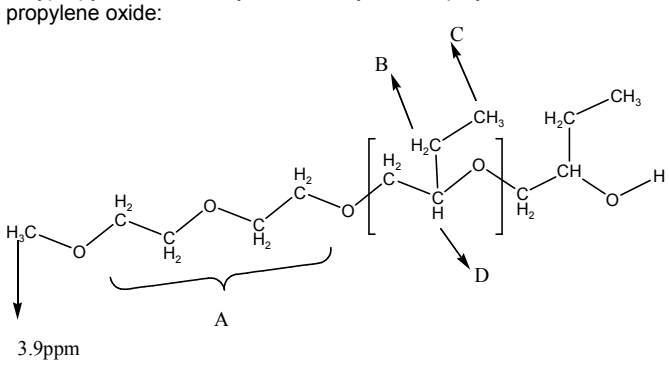


Composition:

Mn x 10^3	PDI
0.7	1.18

Synthesis Procedure:

Polypropylene oxide is synthesized by anionic polymerization of propylene oxide:



Characterization:

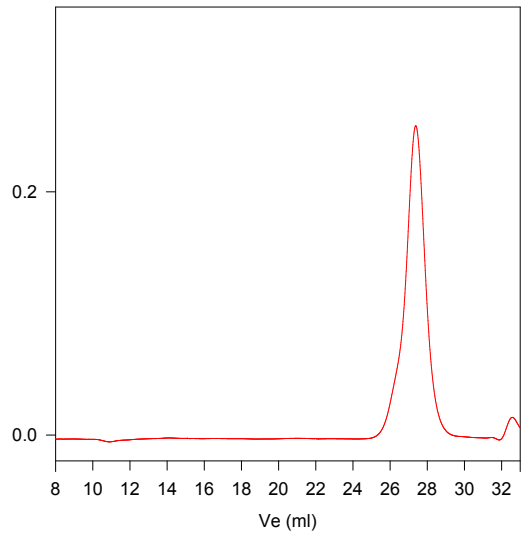
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

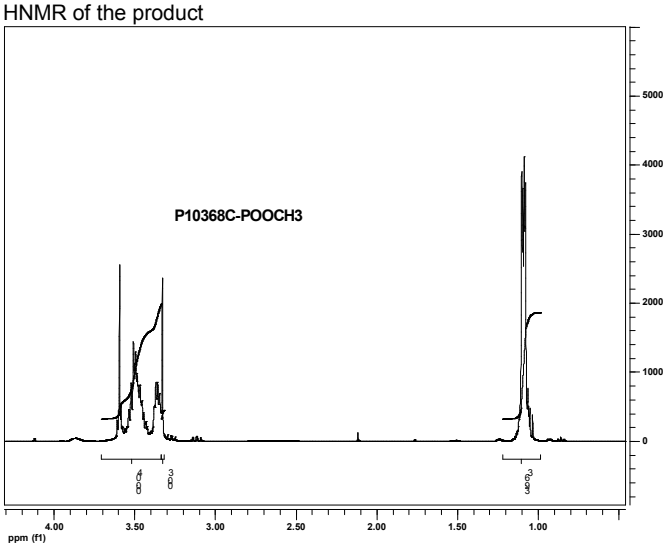
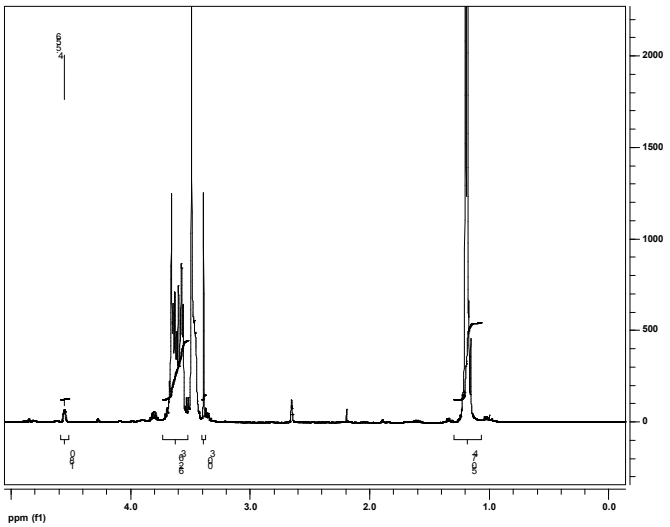
Purification:

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

SEC of Homopolymer:

P10368C-POOCH3



Size Exclusion Chromatography of Terminated Poly(propylene glycol) methyl ether
M_n =700, PI=1.18

HNMR of the product