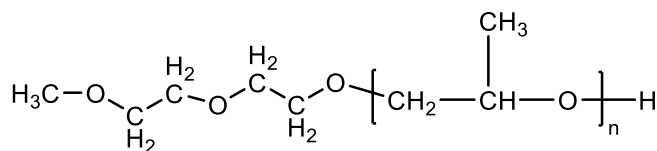


Sample Name:

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

Sample #: **P42434N-PO-OCH3**

Structure:

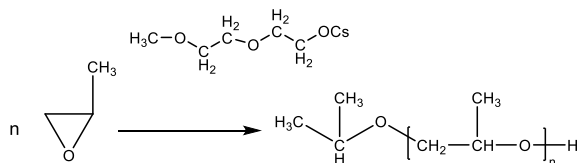


Composition:

$M_n \times 10^3$	PDI
11.0	1.45

Synthesis Procedure:

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



Characterization:

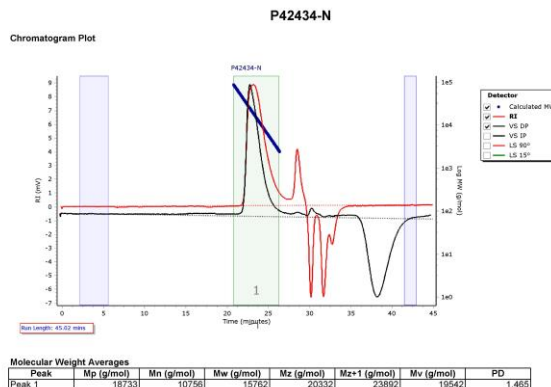
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Purification:

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

SEC profile of Homopolymer:

Agilent GPC/SEC Software



Workspace Details
Workspace name: Calibration 2019-07-23
Location: C:\ProgramData\Agilent Technologies\GPC\Workspaces\Calibration 2019-07-23
Created by: GPC Agilent2 at 10:21:30 AM on July-23-19

