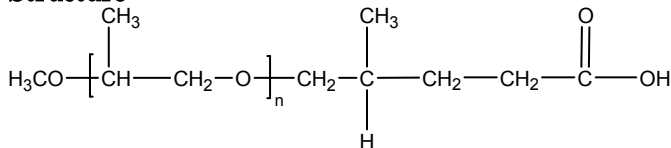


Sample Name:

α Methoxy ω - Carboxyl acid end functionalized
Poly(propylene glycol)

Sample #: P10799-POOCH3COOH

Structure:



Composition:

Mn x 10 ³	PDI
5.0	1.35

Characterization:

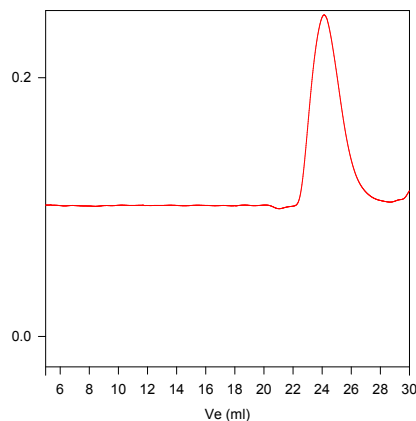
Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The end functionality was calculated from ¹H-NMR spectroscopy.

Solubility:

Polymer is soluble in CHCl₃, THF, and precipitated out from cold diethyl ether.

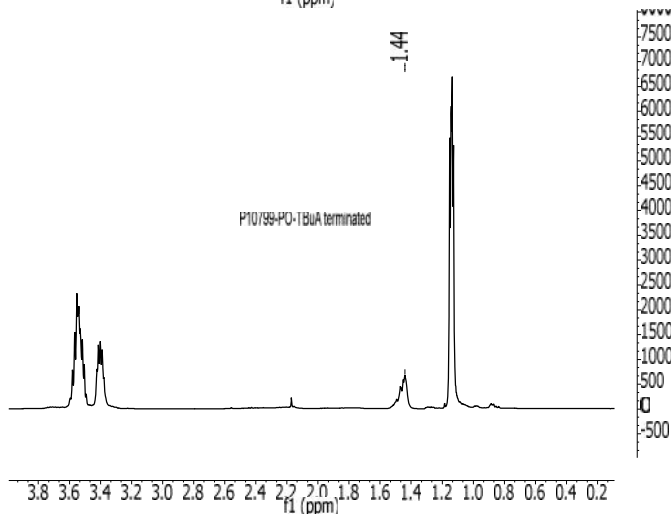
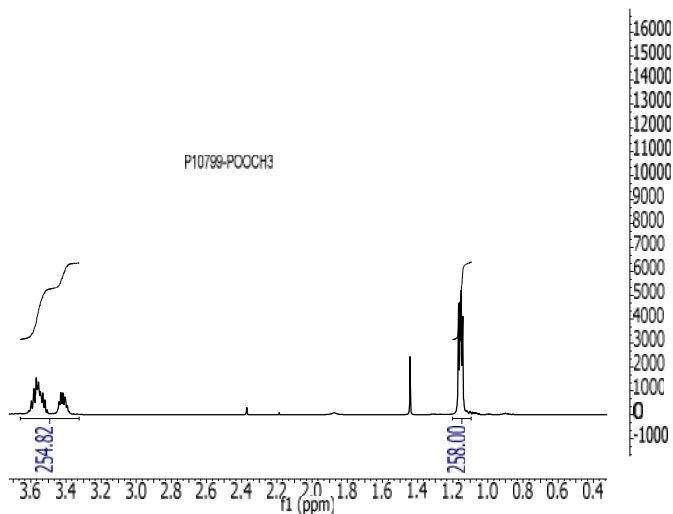
SEC of the polymer before reacting with COOH

P10799-POOCH3
GPC precursor for POOCH3COOH



Size Exclusion Chromatography of Terminated Poly(propylene glycol) methylether
M_n = 5000, M_w = 6700, PI = 1.35

¹H NMR of the Product:



FTIR of the product showing disappearance of tert-butyl ester and liberation of free COOH

