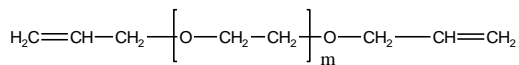


Sample Name:

**$\alpha$ - $\omega$ -diAllyl Terminated Poly(ethylene glycol)**

Sample #: **P9070A-EG2Allyl**

**Structure:**



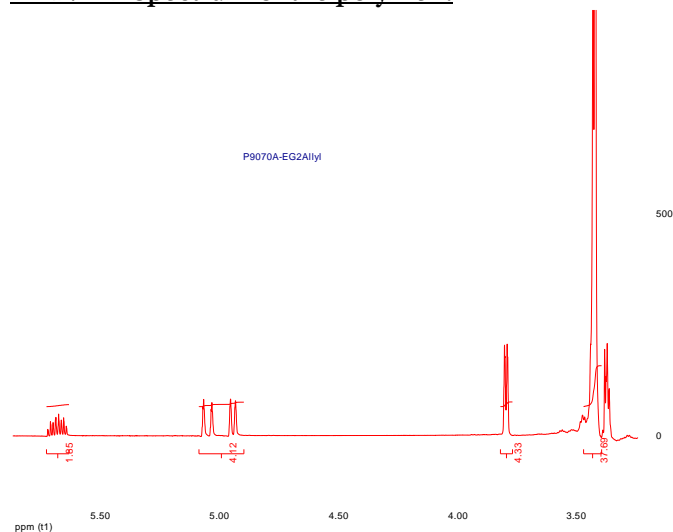
**Composition:**

$M_n \times 10^3$	PDI
0.42	1.10

**Characterization:**

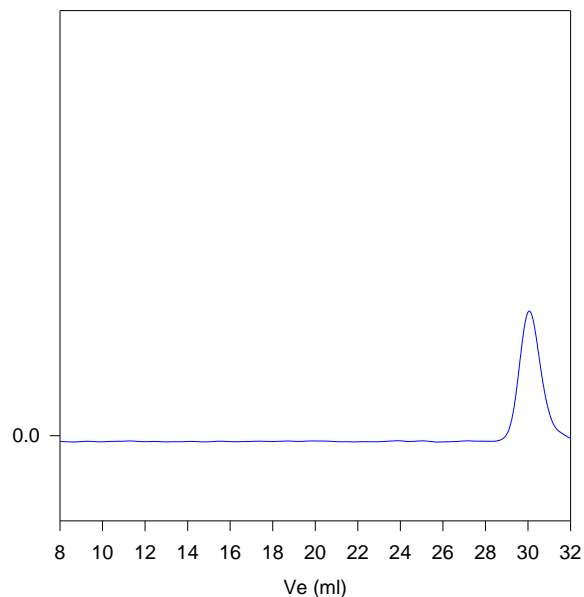
An aliquot of the poly(ethylene oxide) before addition of mestyl chloride was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The polymer obtained at each step and the final block copolymer composition was calculated from  $^1\text{H}$ -NMR spectroscopy.

**$^1\text{H}$ -NMR Spectrum of the polymer :**



**SEC of the polymer :**

**P9070-EG2Allyl**



Size Exclusion Chromatogram of the product

— Di-Allyl PEG:  $M_n=420$ ,  $M_w=460$ ,  $M_w/M_n=1.10$