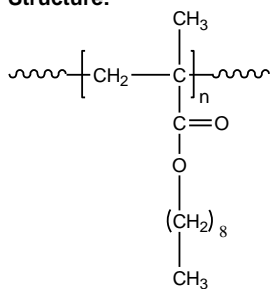


Sample Name: **Poly(n-nonyl methacrylate)**

Sample #: **P8351-NMA**

Structure:

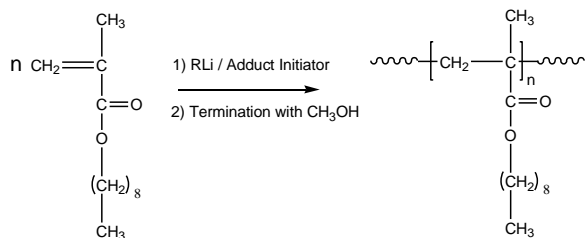


Composition:

$M_n \times 10^3$	PDI
17.5	1.4

Synthesis Procedure:

Poly(n-nonyl methacrylate) is obtained by living anionic polymerization of n-nonyl methacrylate. The reaction scheme used for the polymer synthesis is shown below:



Characterization:

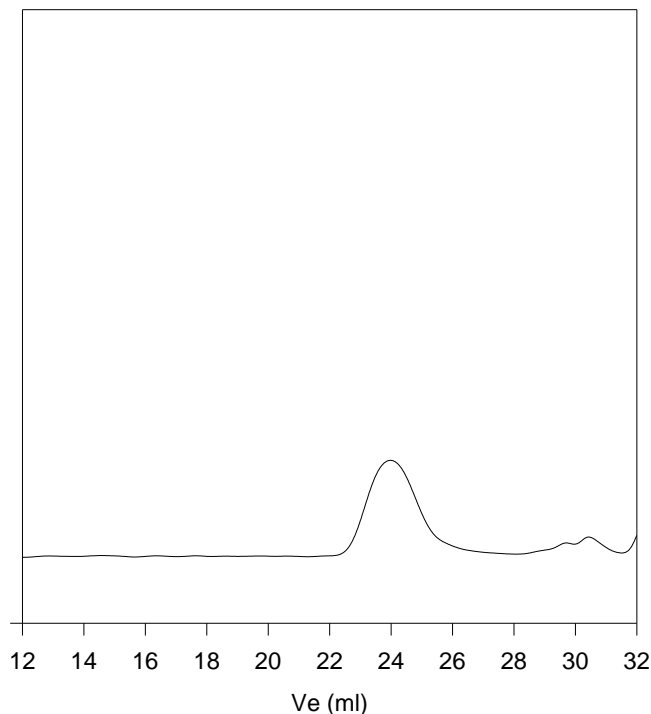
The molecular weight and polydispersity index (PDI) of Poly(n-nonyl methacrylate) are obtained by size exclusion chromatography.

Solubility:

Poly(n-nonyl methacrylate) is soluble in THF, $CHCl_3$, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:

P8351-NMA



Size exclusion chromatograph of Poly(nonyl methacrylate):

$M_n=17500$; $M_w=24,500$; $PI=1.4$