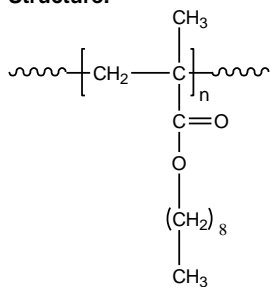


Sample Name: **Poly(n-nonyl methacrylate)**

Sample #: **P8489-NMA**

Structure:

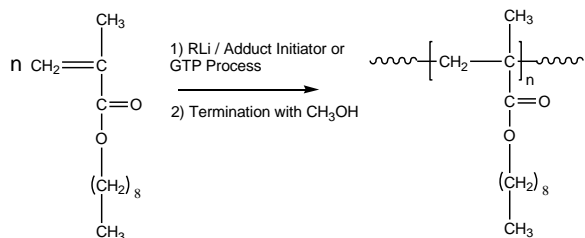


Composition:

Mn x 10 ³	PDI
27.0	1.3

Synthesis Procedure:

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



Characterization:

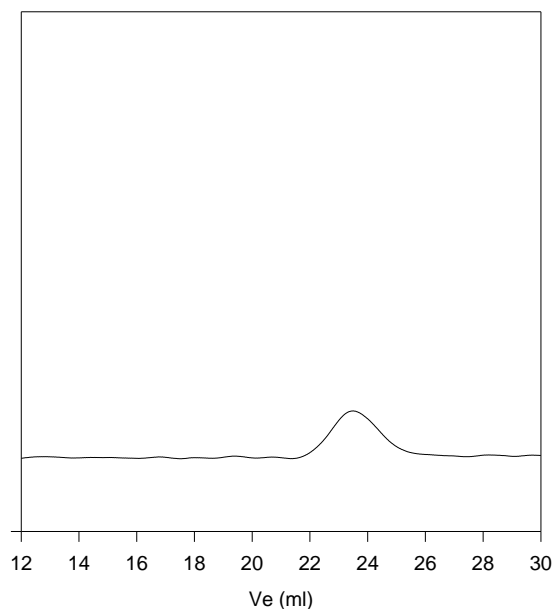
The molecular weight and polydispersity index (PDI) of Poly(n-nonyl methacrylate) are obtained by size exclusion chromatography.

Solubility:

Poly(n-nonyl methacrylate) is soluble in THF, CHCl₃, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:

P8489-NMA



Size exclusion chromatograph of Poly(nonyl methacrylate):

M_n=27000; M_w=36000; PI=1.3