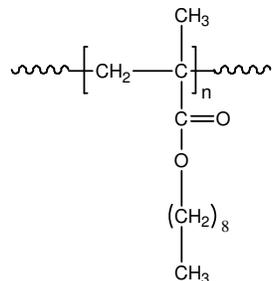


Sample Name: Poly(n-nonyl methacrylate)

Sample #: P13202-NMA

Structure:

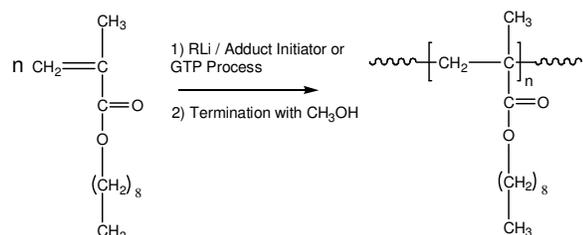


Composition:

$M_n \times 10^3$	PDI
7.0	1.2
Mircostructure	Syndio:hetero:Iso contents 53: 40: 7

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:



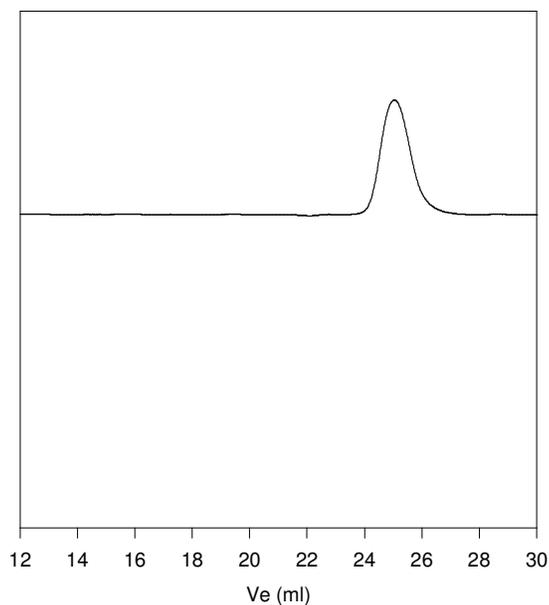
Characterization:

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, CHCl_3 , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:
P9331-NMA**



Size exclusion chromatograph of Poly(nonyl methacrylate):
 $M_n=7000$; $M_w=8000$; $PI=1.15$

