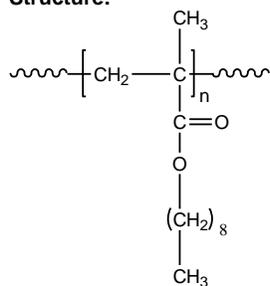


**Sample Name: Poly(n-nonyl methacrylate)**

**Sample #: P9330-NMA**

**Structure:**

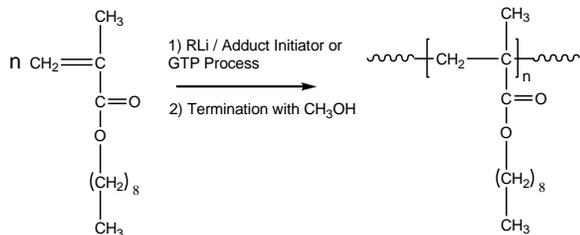


**Composition:**

Mn x 10 <sup>3</sup>	PDI
9.0	1.14
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:**

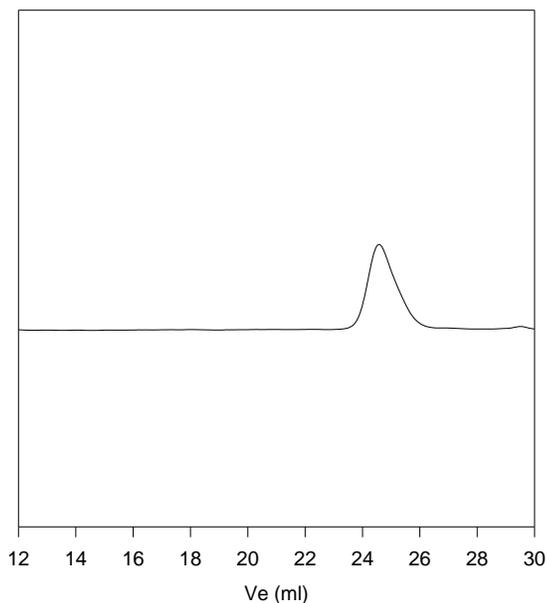
The molecular weight and polydispersity index (PDI) of Poly(n-nonyl methacrylate) are obtained by size exclusion chromatography.

**Solubility:**

Poly(n-nonyl methacrylate) is soluble in THF, CHCl<sub>3</sub>, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:**

**P9330-NMA**



Size exclusion chromatograph of Poly(nonyl methacrylate):

M<sub>n</sub>=9000; M<sub>w</sub>=10200; PI=1.14

