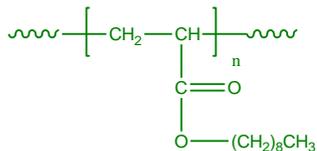


Sample Name: Poly(n-nonyl acrylate)

Sample #: P9691-nNA

Structure:



Composition:

$M_n \times 10^3$	PDI
2000.0	1.3

Synthesis Procedure:

Poly(n-nonyl acrylate) is obtained by group transfer or anionic polymerization of tBuA and then transesterification reaction of tert butyl to n-nonyl acrylate.

Characterization:

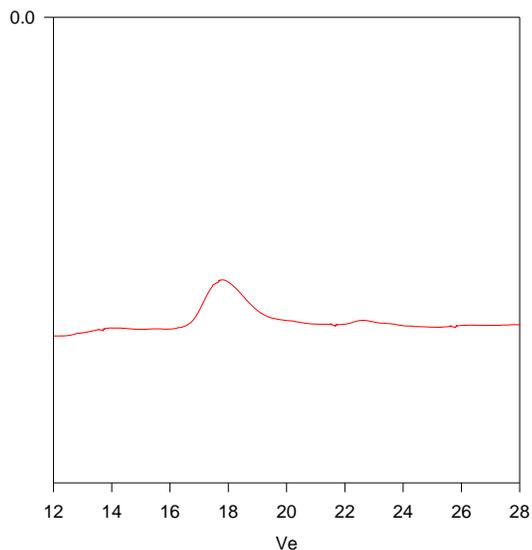
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

Solubility:

Poly(n-butyl acrylate) is soluble in THF, toluene and $CHCl_3$. This polymer precipitates from ethanol and methanol containing 10-15% water.

SEC of the Homopolymer:

P9691-nNA



Size Exclusion Chromatography of Poly(n-nonyl acrylate):
 $M_n = 2000,000$, $M_w = 2600,000$, $M_w/M_n = 1.3$