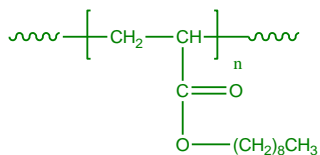


Sample Name: Poly(n-nonyl acrylate)

Sample #: P9700-nNA

Structure:



Composition:

Mn x 10 ³	PDI
2300.0	1.4

Synthesis Procedure:

Poly(n-nonyl acrylate) is obtained by group transfer or anionic polymerization of n-nonyl acrylate.

Characterization:

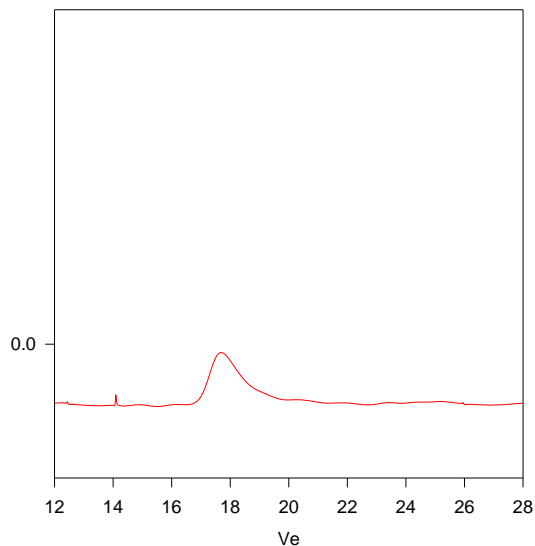
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple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

Solubility:

Poly(n-butyl acrylate) is soluble in THF, toluene and CHCl₃. This polymer precipitates from ethanol and methanol containing 10-15% water.

SEC of the Homopolymer:

P9700-nNA



Size Exclusion Chromatography of Poly(n-nonyl acrylate):

M_n= 2300,000, M_w= 3220,000, M_w/M_n=1.4