<u>Sample Name</u>: **Poly(n-nonyl acrylate)**

<u>Sample #</u>: **P9697-nNA**

Structure:
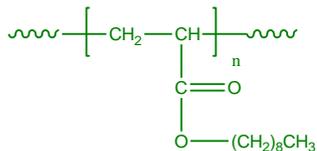
Composition:

Mn x 10^3	PDI
550.0	1.19

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 CHCl$_3$. This polymer precipitates from ethanol and methanol containing 10-15% water.

SEC of the Homopolymer:

P9697-nNA
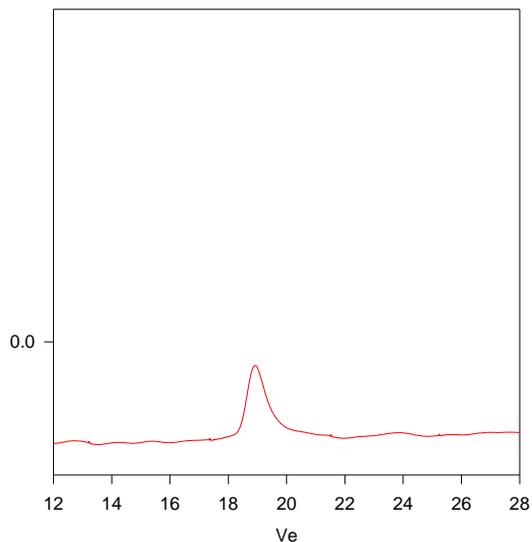
Size Exclusion Chromatography of Poly(n-nonyl acrylate):

M_n= 550,000, M_w= 654,000, M_w/M_n =1.19