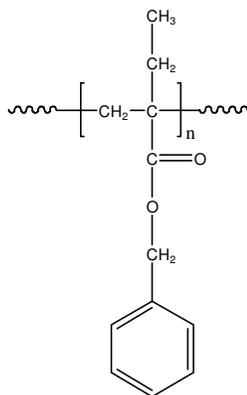


Sample Name: Poly(benzyl α -ethyl acrylate)

Sample #: P3469-EBA

Structure:

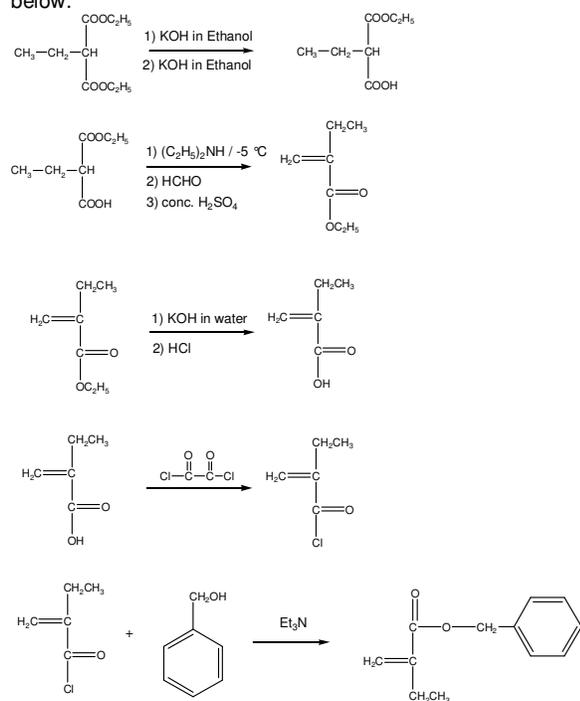


Composition:

$M_n \times 10^3$	PDI
39.0	1.9

Synthesis Procedure:

Polymer is obtained by living anionic polymerization in THF at -78°C . The monomer is synthesized by route shown below:



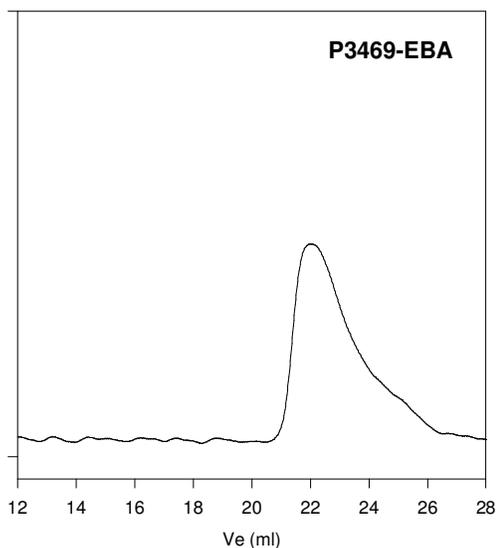
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Poly(benzyl α -ethyl acrylate) is soluble in THF, $CHCl_3$ and toluene, and can be precipitated from cold ethanol and methanol.

SEC of sample:



Size exclusion chromatography of poly(benzyl α -ethylacrylate):

$M_n = 39000$; $M_w = 74100$; $PI = 1.9$