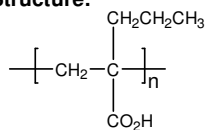


Sample Name:
Poly(α -propyl acrylic acid)

Sample #: **P14076C-PrAA** (lot synthesized by direct polymerization of PrAA monomer using conventional free radical process)

Structure:

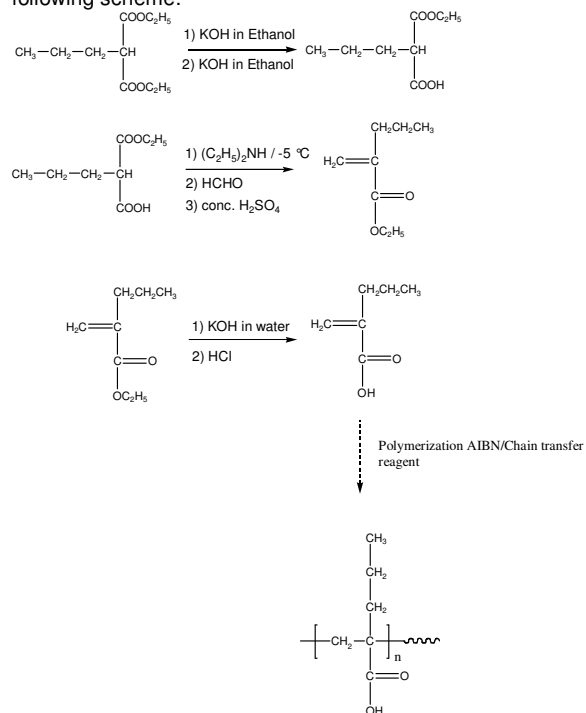


Composition:

$M_n \times 10^3$	PDI
12.0	4.0

Synthesis Procedure:

Poly(α -propyl acrylic acid) is synthesized as illustrated in the following scheme:



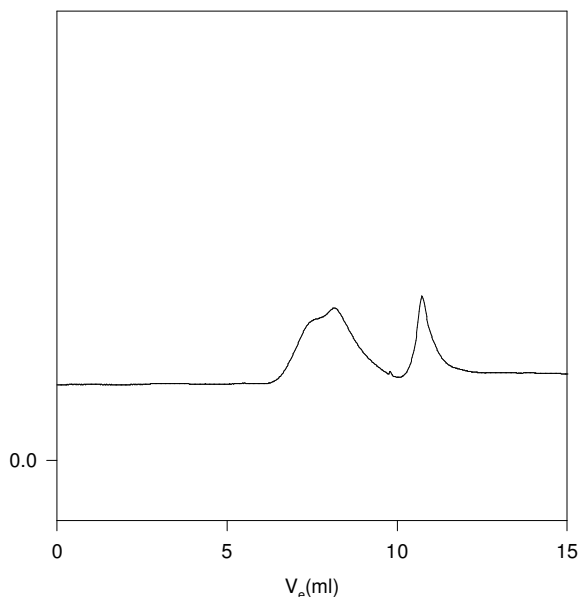
Characterization:

The molecular weight and polydispersity index (PDI) of Poly(α -propyl acrylic acid) are obtained by size exclusion chromatography in DMF.

Solubility: Polymer is soluble in ethanol, methanol THF, Dioxane.

SEC of Homopolymer:

P14076C-PrAA



Size exclusion chromatography of Poly(α -propylacrylic acid) in DMF with respect to Polystyrene Standards:

$M_n = 12,000$ M_w : 47,000 M_w/M_n : 4.0