

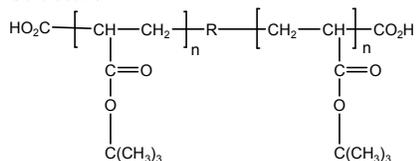
Sample Name:

Carboxy Terminated Poly(t-butyl acrylate)

Sample #: P1941-tBuA2COOH

SEC of Sample:

Structure:

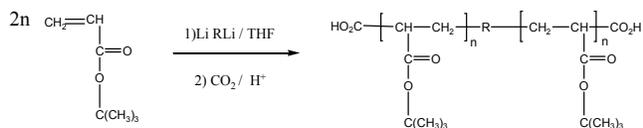


Composition:

Mn x 10 ³	PDI

Synthesis Procedure:

Carboxy Terminated Poly(t-butyl acrylate) is synthesized by living anionic polymerization of methyl methacrylate using a bifunctional initiator (oligomer α -methylstyrene lithium) in THF followed by termination with dry ice.



Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) before inclusion of the CO₂H function using a Varian liquid chromatograph equipped with a UV and refractive index detector. The functionality of polymer was determined by the titration with NaOH, using phenolphthalein as the indicator.

Solubility: