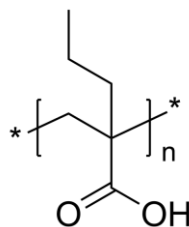


Sample Name: Poly(α -propylacrylic acid)

Sample #: P43115-PrAA

Structure :



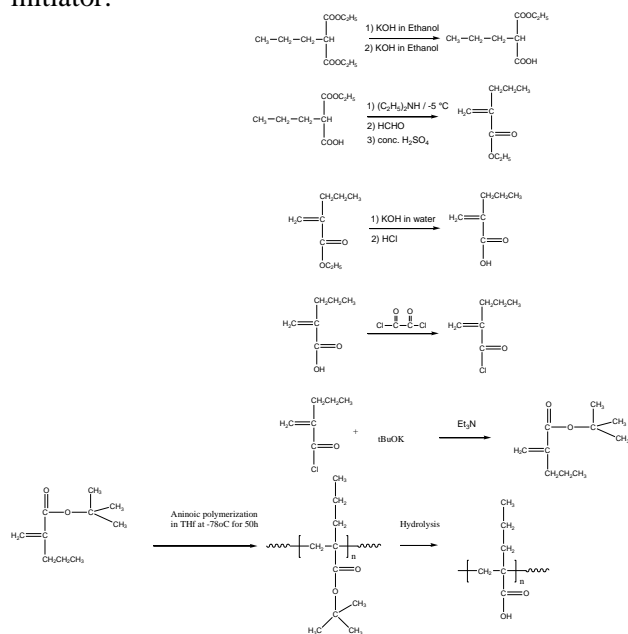
Composition :

$M_n \times 10^3$	PDI
21.5	1.18

T_g ($^{\circ}\text{C}$): 143

Synthesis Procedure:

The following reaction scheme shows how the product was prepared using (Ph)₃CK anionic initiator:



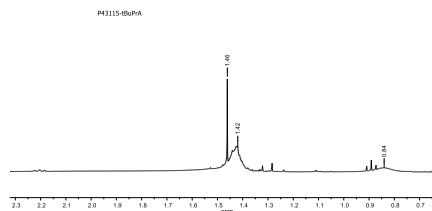
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

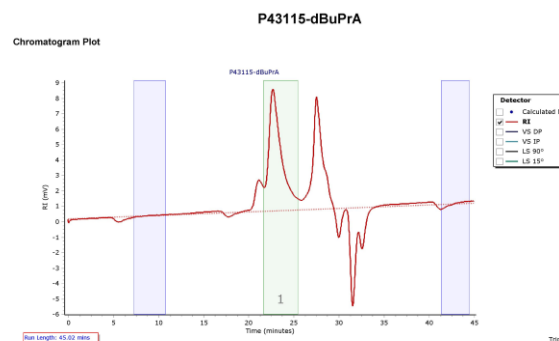
Solubility:

Polymer is soluble in ethanol, methanol and THF.

¹H NMR spectrum of PtBuPrA sample:



SEC elugram of PtBuPrA Homopolymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	44256	32113	38020	42937	46906	41330	1.184

Processing Parameters

Mn(After Hydrolysis): 21,500

DSC thermogram for the polymer:

