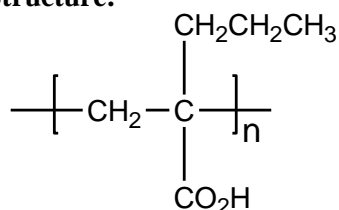


Sample Name: Poly (α -propyl acrylic acid)

Sample #: P41795-PrAA

Structure:

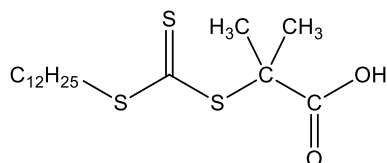


Composition:

Mn x 10 ³	PDI
8.0	1.4

Synthesis Procedure:

Poly (α -propyl acrylic acid) is synthesized by RAFT polymerization process using the following RAFT reagent:



Chemical Formula: C₁₇H₃₂O₂S₃
Molecular Weight: 364.6

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 methanol, DMF and can be solubilized in water in the form of sodium salt.

SEC elugram of Homopolymer:
P41795-PrAA

dn/dc	0.0450
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0002.vcm

