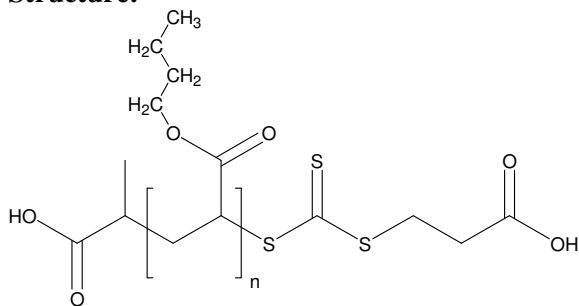


Sample Name: Poly(n-butylacrylate)

Sample #: P16017A-nBuA

Structure:

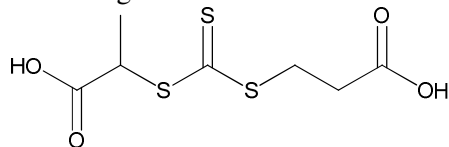


Composition:

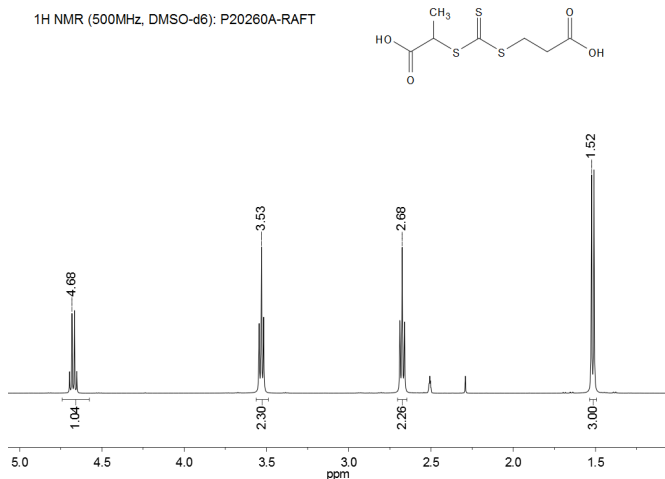
Mn x 10 ³	Mw/Mn (PDI)
14.0	1.08

Synthesis Procedure:

Poly(acrylic acid) is synthesized by RAFT polymerization of acrylic acid xanthate as chain transfer agent shown as follows:



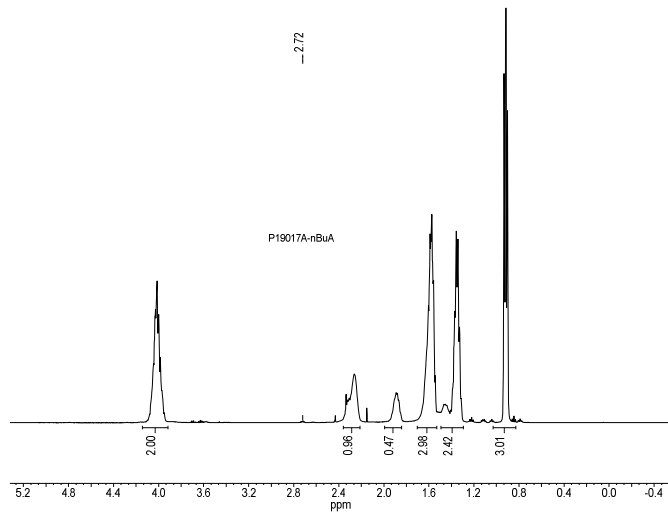
¹H NMR spectrum (500 MHz, DMSO-d₆):



Characterization:

The polymer was characterized by ¹H NMR and SEC.

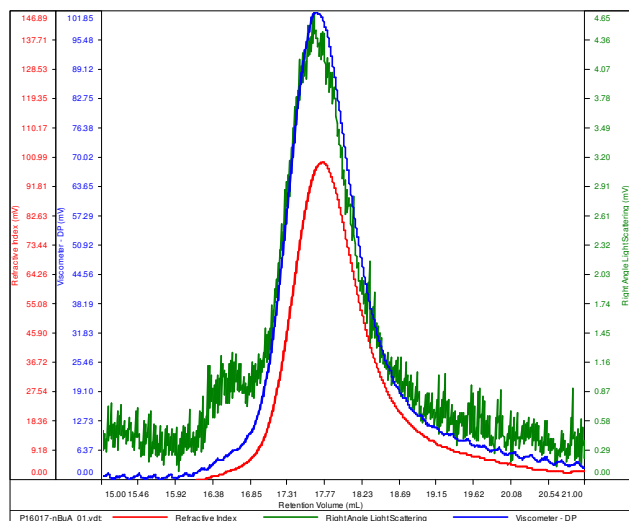
¹H-NMR Spectrum of the Polymer:



SEC elugram of the poly(n-butyl acrylate):

P16017-nBuA

Conc (mg/mL)	6.4194
dn/dc (mL/g)	0.0650
Method	ps80k-May2016-0002.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16017-nBuA_01.vdt	14,065	15,237	12,717	1.083	0.1989