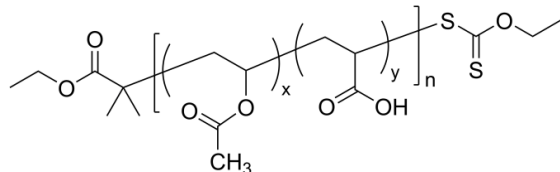Sample Name:
Poly(vinyl acetate–co–acrylic acid), random

Sample #: **P42363-VAcAAran**

Structure:

Composition:

$M_n \times 10^3$	PDI
117.0	3.0

VAC: AA	90:10

Synthesis Procedure:
Random Copolymer poly (vinyl acetate-co-acrylic acid) is prepared by RAFT polymerization process. The degree of acid content was determined by H NMR analysis in DMSO.
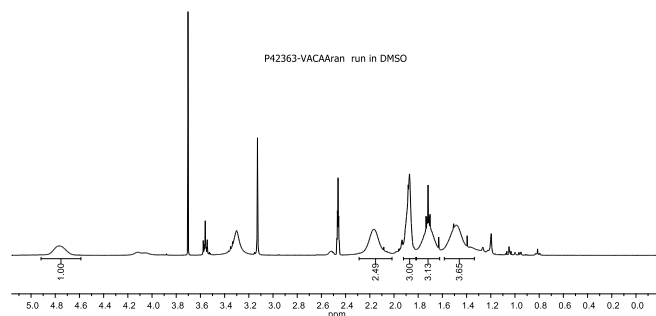
Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

Solubility:
Random Copolymer is soluble in THF and methanol.
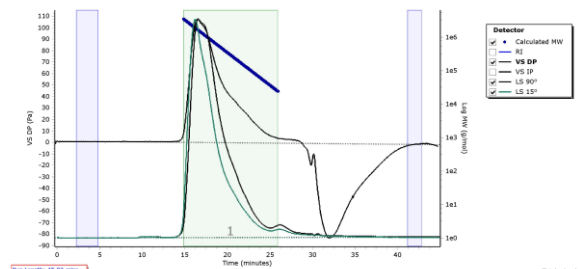
Proton NMR spectrum of the copolymer:

P42363-VACAAran run in DMSO

SEC elugram of the Sample:

Agilent GPC/SEC Software

P42363-VACAA ran

Chromatogram Plot

Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	116225	117442	356776	928239	1444159	875271	3.038