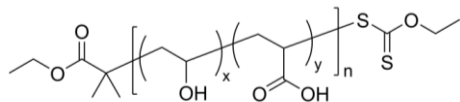


Sample Name:

Poly(vinyl alcohol-co-acrylic acid), random

Sample #: **P60683-VAAArAn**

Structure:



Composition:

$M_n \times 10^3$	PDI
156.0	1.8

VA: AA	5:1
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Synthesis Procedure:

Random Copolymer poly(vinyl acetate-co-acrylic acid) is prepared by Radical process using V70 catalyst. The degree of acid content was determined by ^1H NMR analysis in CDCl_3 .

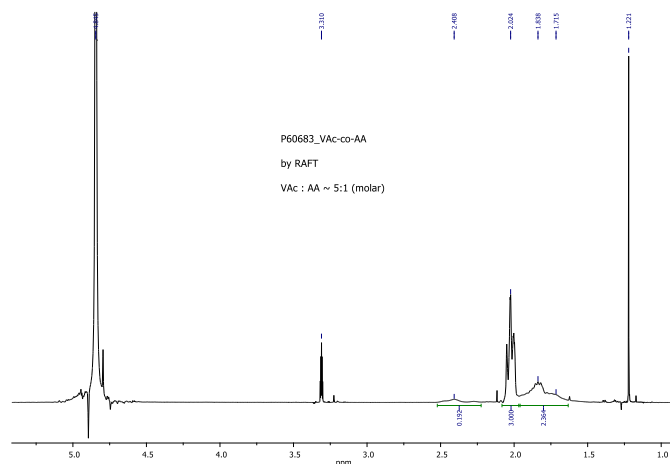
Characterization:

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

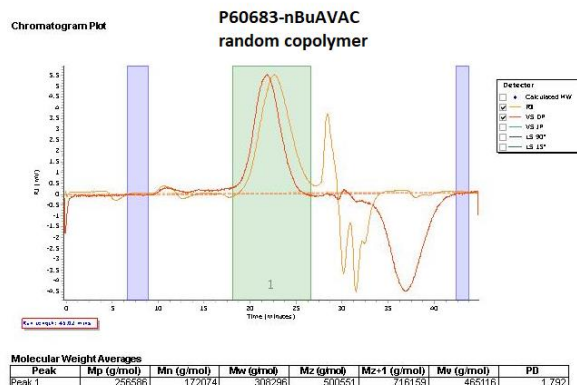
Solubility:

Random Copolymer is soluble in THF and methanol.

Proton NMR spectrum of the VAcAran copolymer:



SEC elugram of the VAcAran Sample (AA moieties are converted into nBuA):



After Hydrolysis of VAC group to Vinyl Alcohol:
Mn around: 156,000