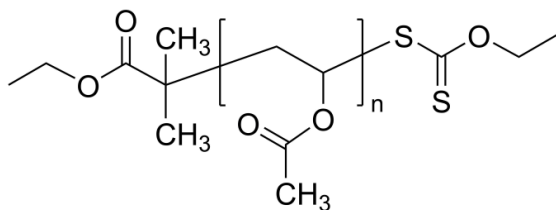


**Sample Name:** Poly(vinyl acetate),  $\omega$ -RAFT-terminated

**Sample #:** P42366-VAc-RAFT

**Structure:**

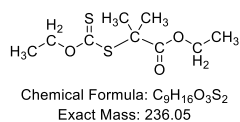


**Composition:**

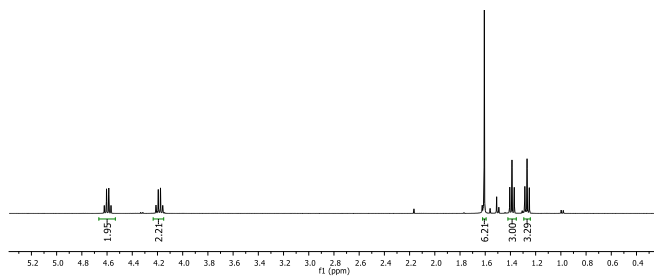
$M_n \times 10^3$	PDI
6.5	1.29

**Synthesis Procedure:**

The polymer is prepared by RAFT polymerization process using the following RAFT reagent:



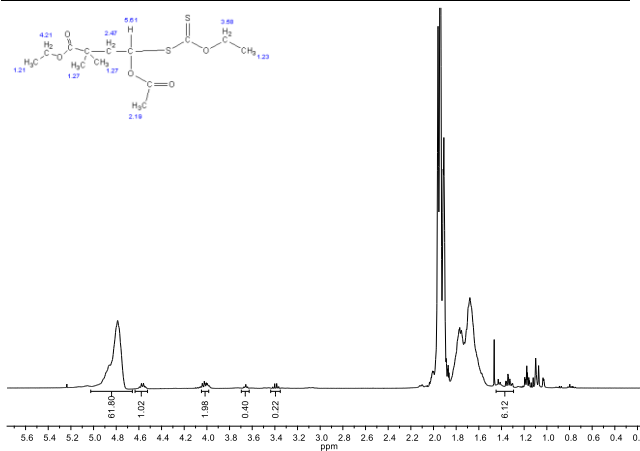
**$^1H$  NMR of RAFT (400 MHz,  $CDCl_3$ ):**



**Characterization:**

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC) in THF as eluent.

**$^1H$  NMR spectrum of Polymer (500 MHz,  $CdCl_2$ ):**

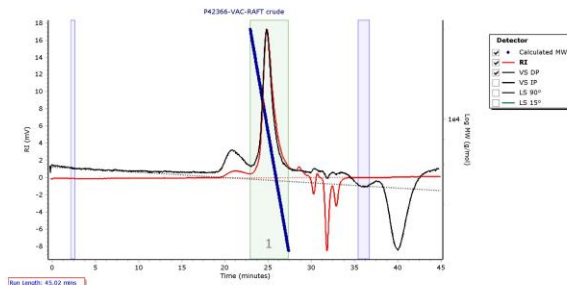


**SEC elugram of the Sample:**

Agilent GPC/SEC Software

P42366-VAC-RAFT crude

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	9270	6551	8486	10575	13067	9949	1.295