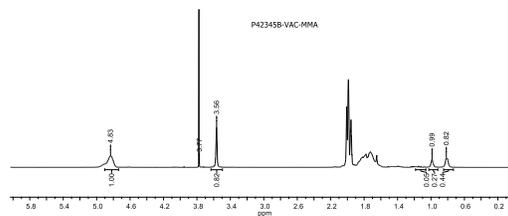
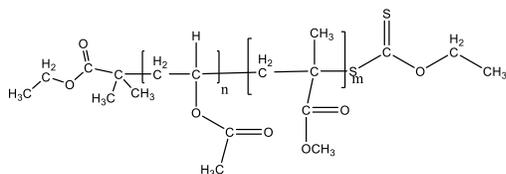


Sample Name: Poly (vinyl acetate–b–methyl methacrylate)

HNMR spectrum of PVAc–b–PMMA

Sample #: P42345B-VAcMMA

Structure:

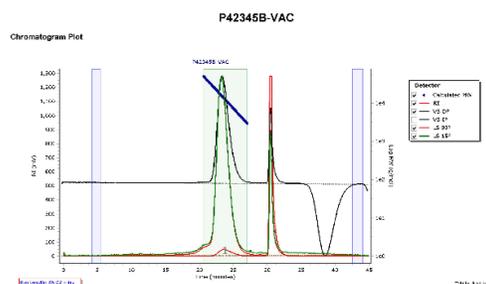


SEC elugram of PVAc-RAFT Macroinitiator:

Composition:

$M_n \times 10^3$ VAc–b–MMA	PDI
10.5-b-3.5	2.9

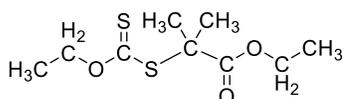
Agilent GPC/SEC Software



Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process using following RAFT reagent:

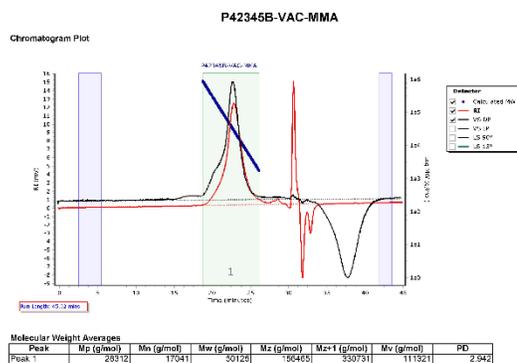
Structure:



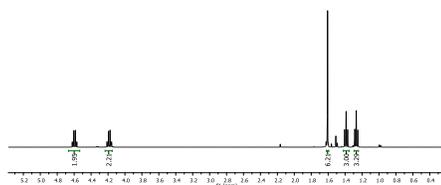
Chemical Formula: C₉H₁₆O₃S₂
Exact Mass: 236.05

SEC elugram of the block copolymer:

Agilent GPC/SEC Software



1H NMR spectrum of RAFT (400 MHz, CDCl₃):



Characterization:

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

Solubility:

The polymer is soluble in THF, Acetone and CHCl₃. It precipitates from Hexane.

FTIR spectrum of the Polymer:

