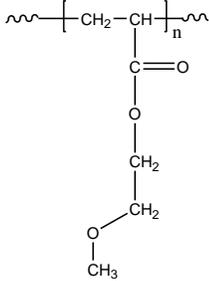


**Sample Name:** Poly (2-Metoxy ethylacrylate)

**Sample #:** P41073A-2MeOEA

**Structure:**



**Composition:**

|                   |      |
|-------------------|------|
| $M_n \times 10^3$ | PDI  |
| 32.5              | 1.38 |

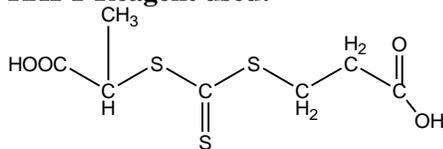
**Synthesis Procedure:**

The polymer was synthesized by RAFT polymerization Process.

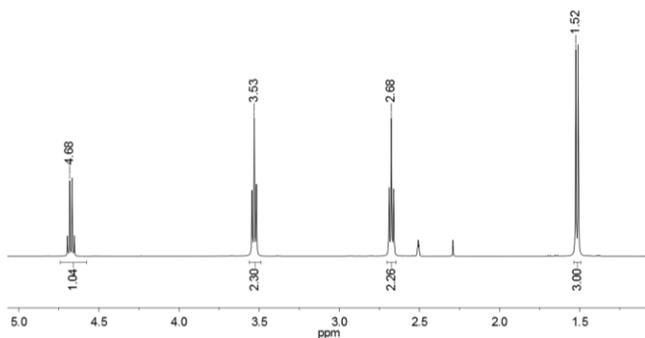
**Characterization:**

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

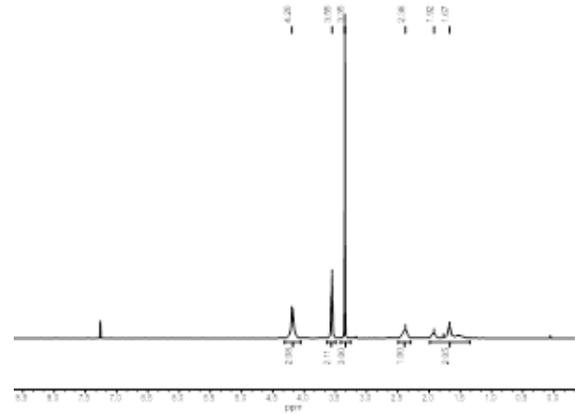
**RAFT Reagent used:**



**$^1H$  NMR spectrum of the RAFT reagent:**

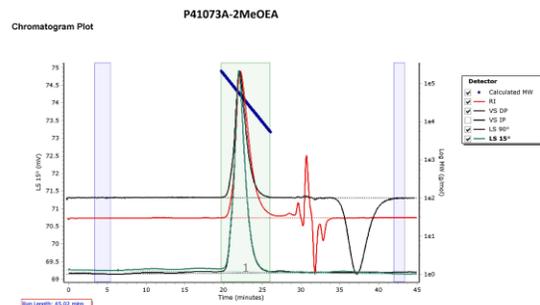


**$^1H$  NMR spectrum of the Polymer:**



**SEC elugram of the Sample:**

Agilent GPC/SEC Software



| Peak   | Mp (g/mol) | Mn (g/mol) | Mw (g/mol) | Mz (g/mol) | Mz+1 (g/mol) | Mv (g/mol) | PD    |
|--------|------------|------------|------------|------------|--------------|------------|-------|
| Peak 1 | 67912      | 32494      | 44936      | 66292      | 67271        | 54411      | 1.385 |