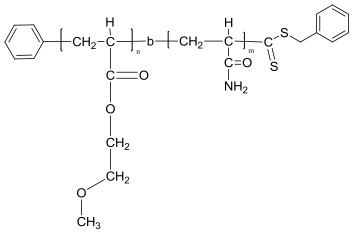
Sample Name: **Poly (2-Metoxy ethylacrylate-b-Acrylamide)**

Sample #: **P41078C-2MeOEA-AMD**

**Structure:**



**Composition:**

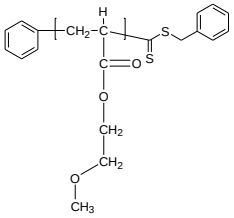
| Mn x $10^3$ 2MeOEA-b-AMD | PDI |
|---|---|
| 18.0-b-50.0 | - |

**Synthesis Procedure:**
The polymer was synthesized by RAFT process.

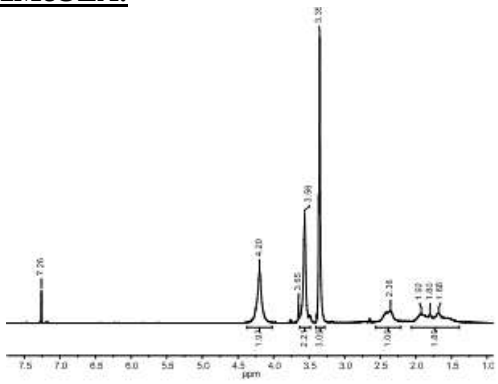
**Characterization:**
The product was characterized by size exclusion chromatography (SEC) and $^1$H NMR. The composition was determined from HNMR.

**Solubility:**
The polymer is soluble in DMSO, and is not soluble in DMF. In water there will be a cloudy solution.

**Macroinitiator of P2MeOEA:**



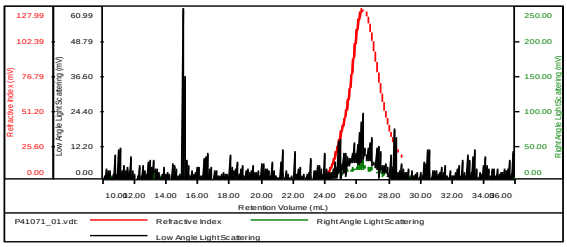
**HNMR spectrum of the RAFT end terminated P2MeOEA:**

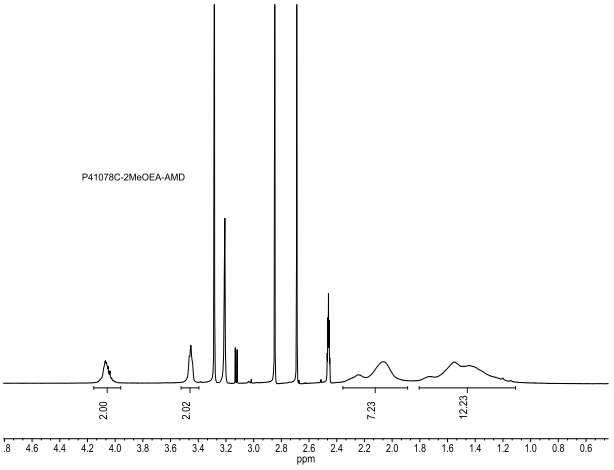


**SEC elugram of the Sample lot# P41071-RAFT:**

**P41071-2MeOEA**

| | |
|---|---|
| **Concentration (mg/mL)** | 15.6281 |
| **Sample dn/dc (mL/g)** | 0.0840 |
| **Method File** | PS80K-mar5-2018-0002.vcm |
| **Column Set** | 3x PL 1113-6300 |
| **Solvent** | THF |




| Sample | Mn (Da) | Mw (Da) | Mw/Mn | IV (dL/g) | Mp (Da) |
|---|---|---|---|---|---|
| P41071_01.vdt | 17,718 | 20,174 | 1.139 | 0.1026 | 17,523 |

**HNMR spectrum of Block Copolymer:**