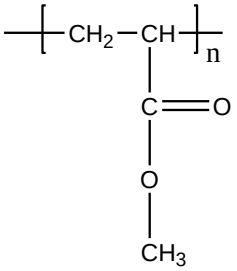
Sample Name: **Poly (methyl acrylate)**

Sample #: **P41638-MA**

**Structure:**

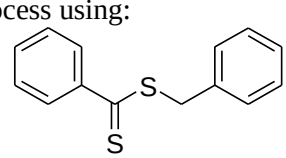


**Composition:**

| Mn x 103 | PDI |
|---|---|
| 2.2 | 1.04 |

**Synthesis Procedure:**

The polymer was synthesized by RAFT polymerization process using:

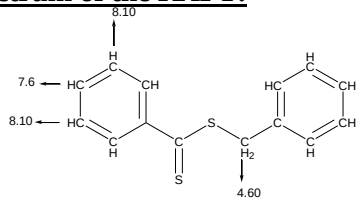


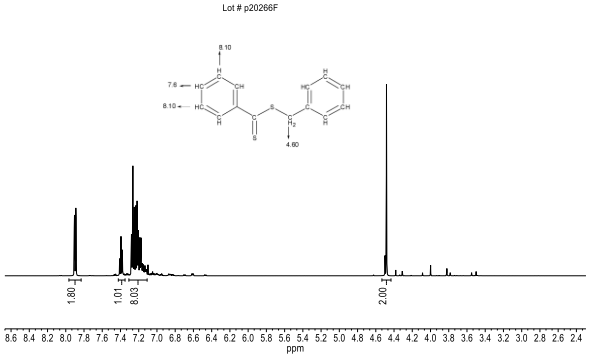
Dithiobenzoic acid benzyl ester

**Characterization:**

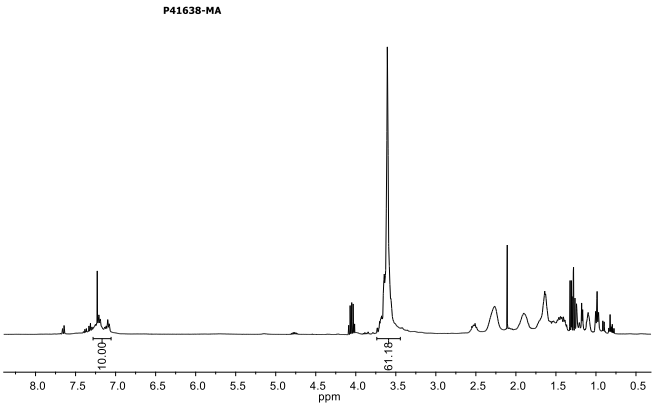
The polymer was characterized by size exclusion chromatography (SEC) and $^{1}$H NMR.

**HNMR spectrum of the RAFT:**




**HNMR spectrum of the polymer:**

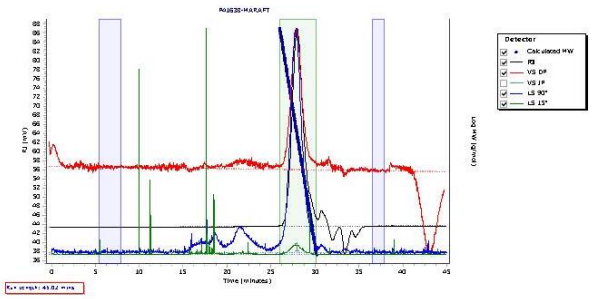



**SEC profile of the Sample:**

Agilent GPC/SEC Software

P41638-MARAFT

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 | 2364 | 2214 | 2312 | 2405 | 2495 | 2374 | 1.044 |

(v.R-01)