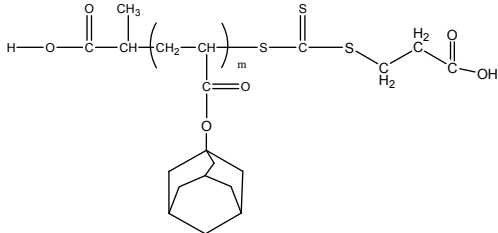


Sample Name:

**Poly (1-Adamantyl acrylate) RAFT-agent terminated**

Sample #: **P40319-ADMA-RAFT**

**Structure:**

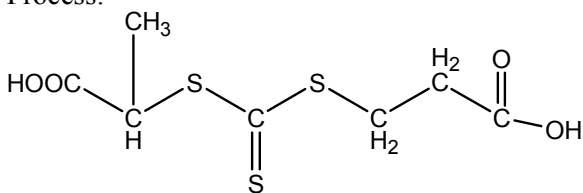


**Composition:**

Mn x 10 <sup>3</sup>	PDI
15.0	1.5
Tg	151 oC

**Synthesis Procedure:**

Poly (1-Adamantyl acrylate) is obtained by RAFT Process:

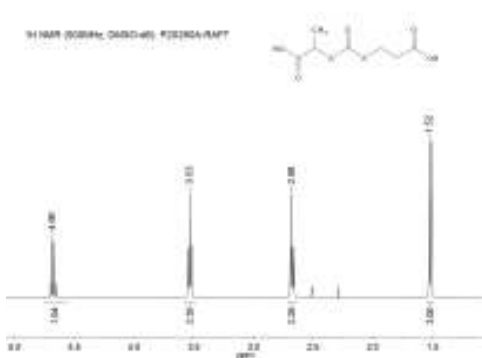


**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using THF as an eluant.

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T<sub>g</sub>) of the sample has been considered.

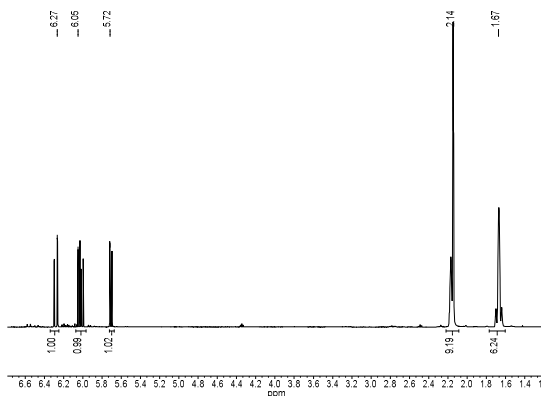
**<sup>1</sup>H NMR (500 MHz, DMSO-d<sub>6</sub>):**



**Solubility:**

Poly (1-Adamantyl acrylate) is soluble in THF and Chloroform. The polymer precipitates from hexanes, methanol and ethanol and acetone.

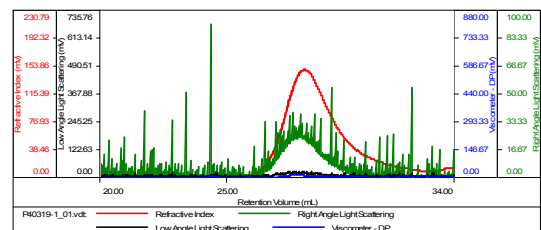
**<sup>1</sup>H NMR Spectrum of the (1-Adamantyl acrylate) Monomer run in CDCl<sub>3</sub>:**



**SEC elugram of the Sample:**

**P40319-ADMA**

Concentration (mg/mL)	11.4830
Sample dn/dc (mL/g)	0.0940
Method File	PS800-Rev2016-6-0000.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40319-1_01.vdt	15,227	22,944	1.507	0.0739	24,579

**DSC thermogram for the polymer:**

