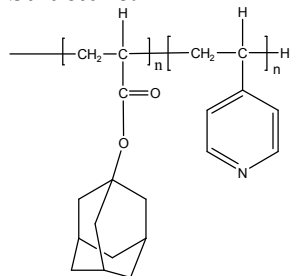


Sample Name:
Poly (1-Adamantyl acrylate-b-4Vinylpyridine)

Sample #: **P40323-ADMA4VP**

Structure:

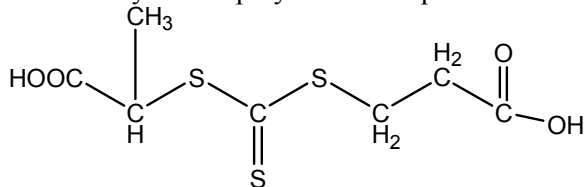


Composition:

Mn x 10 ³ ADMA-b-4VP	PDI
15.0-b-2.0	1.5
T _g for ADMA block:	112°C

Synthesis Procedure:

Poly (1-Adamantyl acrylate-b-4Vinylpyridine) is obtained by RAFT polymerization process:



Characterization:

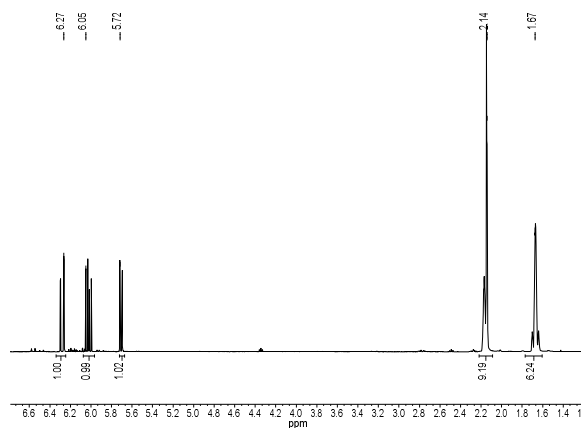
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using THF as an eluant and HNMR.

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_g) of the sample has been considered.

¹HNMR Spectrum (500 MHz, DMSO-d₆):

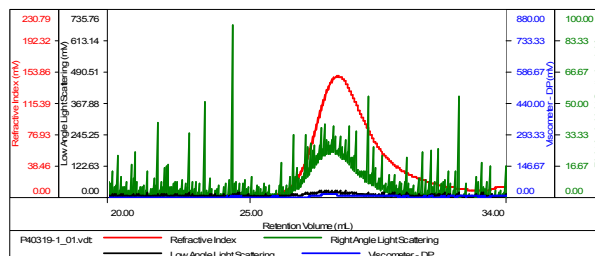


¹HNMR Spectrum of the Monomer:



SEC of Sample (RAFT macroinitiator used)
P40319-ADMA

Concentration (mg/mL)	11.4830
Sample dn/dc (mL/g)	0.0940
Method File	PS80K-Nv2016-6-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



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