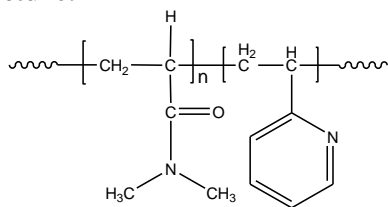


Sample Name: Poly(N-N-dimethylacrylamide-b-2-Vinylpyridine)

Sample #: P41445-DMA2VP

Structure:



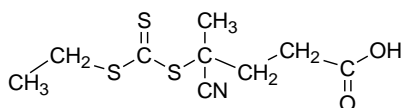
Composition:

Mn x 10 ³ DMA-2VP	PDI
7.0-11.0	1.12

Synthesis Procedure:

The polymer is prepared by RAFT polymerization process.

Structure:



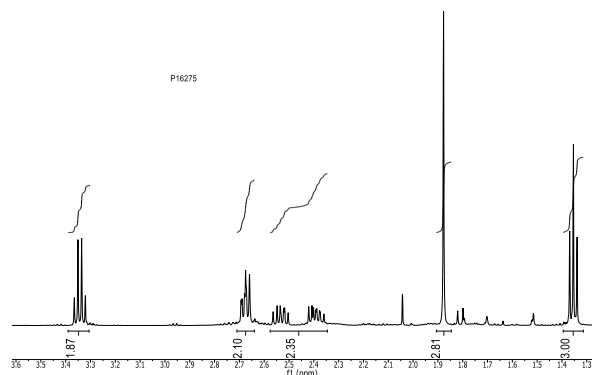
Composition:

Formula	C9H13NO2S3
Mw	263.40
Purity	> 90%

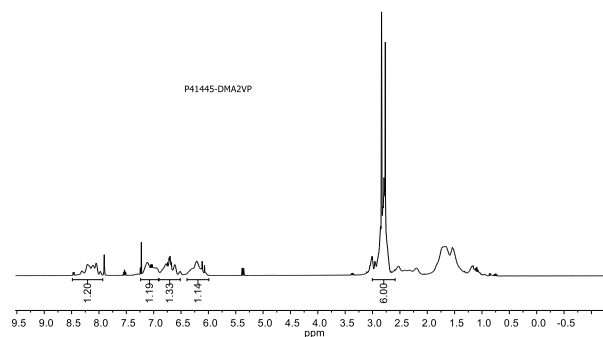
Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography in DMF at 50 °C using triple detectors

¹H NMR spectrum of the RAFT macroinitiator:

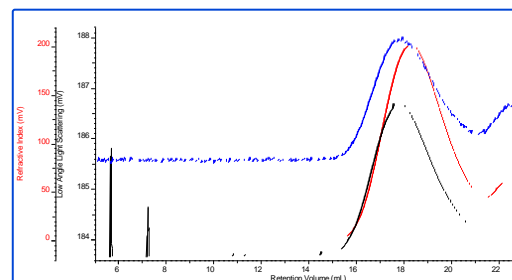


HNMR spectrum of Block copolymer:



SEC elugram of Block Copolymer:
P41445-DMA-2VP

dn/dc	0.0870
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA64K-Oct2018-0008.vcm



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41445-DMA-2VP_1_20	18,058	20,343	24,292	0.0735	1.127