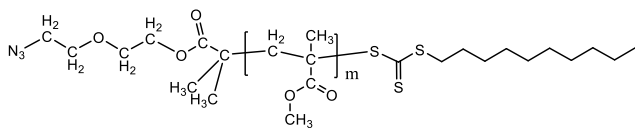


Sample Name: (α -Azide, ω -RAFT)-terminated Poly(methyl methacrylate)

Sample #: P41594-MMA-N3

Structure:



Composition:

Mn x 10 ³	PDI
3.5	1.3

Azide functionality	>70%
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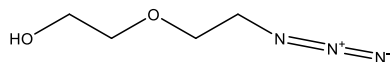
Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.

Characterization:

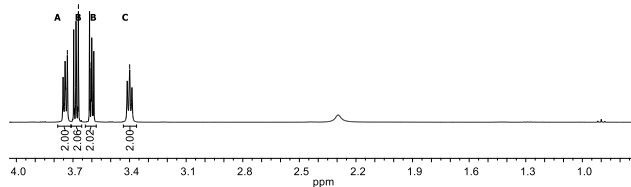
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

¹H NMR of RAFT precursor in CDCl₃:

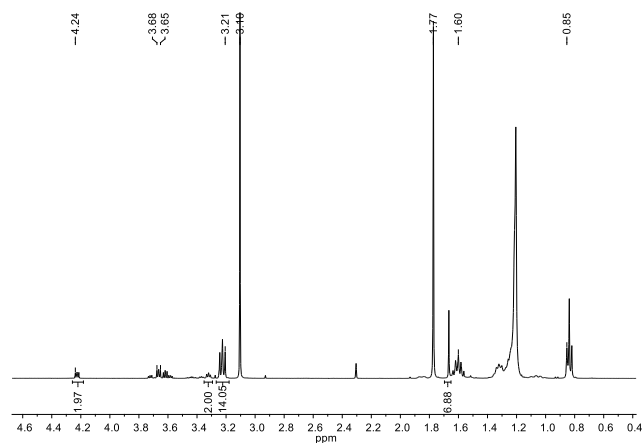
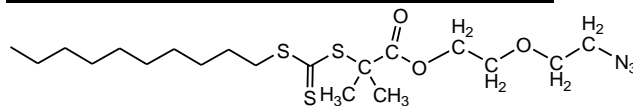


3.73
3.67
3.60
3.40

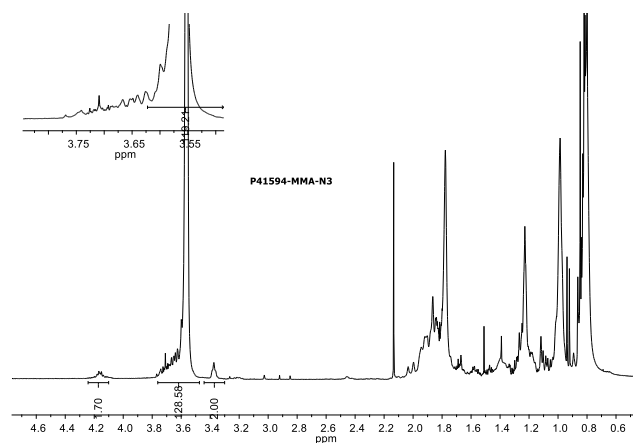
A B B C



¹H NMR of RAFT reagent with -N3 moiety:



¹H NMR spectrum of the polymer:

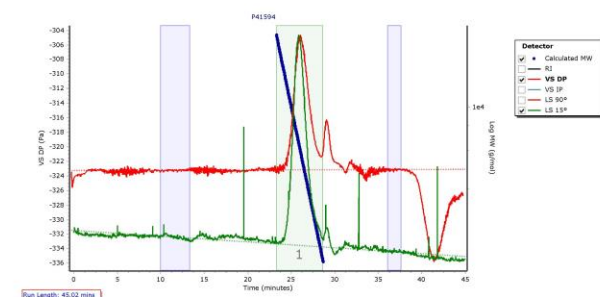


SEC elugram of the polymer:

Agilent GPC/SEC Software

P41594

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	4967	3611	4756	6068	7679	5739	1.317