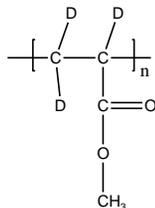


Sample Name:
Deuterated Poly(methyl acrylate-d3)

Sample #: P43797-d3PMA

Structure:

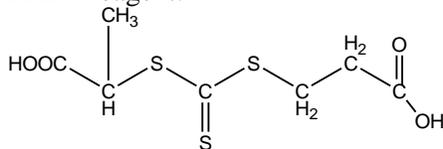


Composition:

Mn x 10 ³	PDI
1,520.0	1.3

Synthesis:

The polymer was synthesized by RAFT polymerization process using following RAFT reagent.



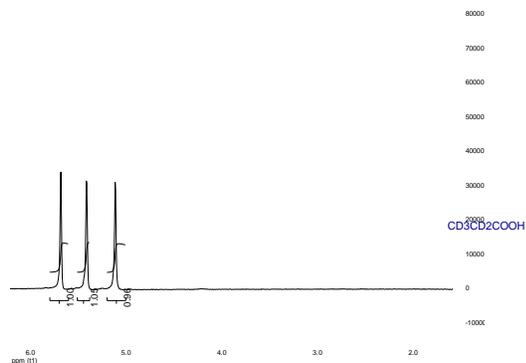
Characterization:

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

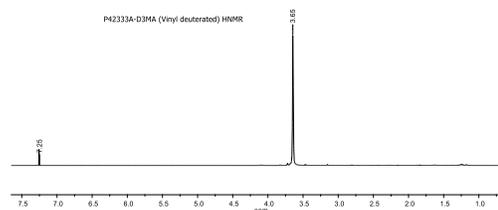
Solubility:

Deuterated Poly (methyl acrylate) is soluble in THF, CHCl₃ and Toluene.

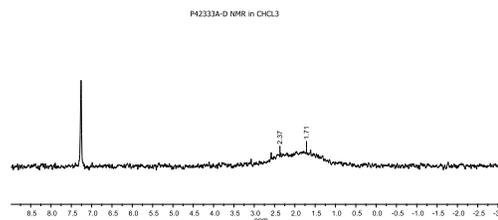
D-NMR spectrum of the monomer:



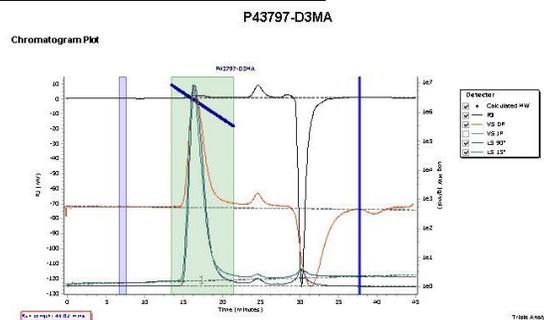
¹H-NMR spectrum of polymer (500 MHz, CDCl₃):



D-NMR spectrum of polymer (500 MHz, CHCl₃):



SEC elugram of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz-1 (g/mol)	Mu (g/mol)	PDI
Peak 1	2263167	1519783	1971210	2322201	2595130	2282486	1.297