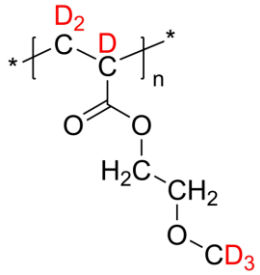
Sample Name:
Deuterated Poly(2-methoxyethyl acrylate-d6)
or
Deuterated Poly(d6-Methoxy ethylene glycol-acrylate)

Sample #: **P43828B-d6MeOEA**

Structure:



Composition:

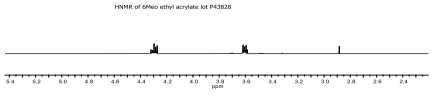
Mn x 10^3	PDI
4.0	1.7

Color: Honey Like
D%>98%

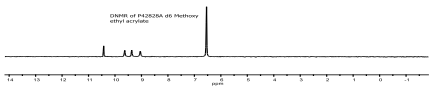
Synthesis Procedure:
The polymer was synthesized by radical polymerization process using AIBN Reagent.

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

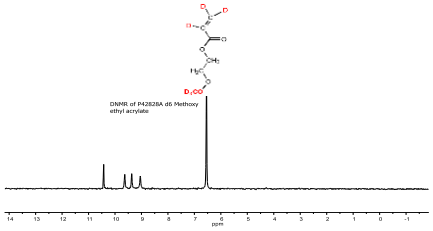
^{1}H-NMR spectrum of the polymer:



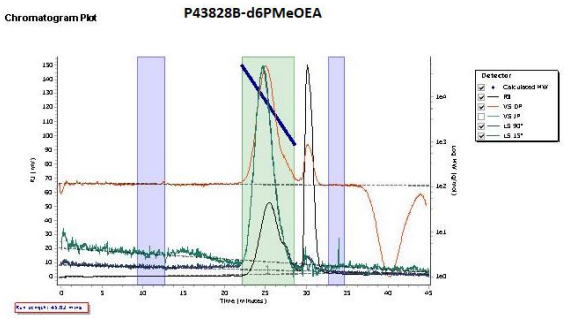
DNMR of d6- Methoxy Ethyl acrylate Monomer:



D-NMR spectrum of the monomer:



SEC elugram of Homopolymer:



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	6235	4034	6856	10511	14418	9854	1.699