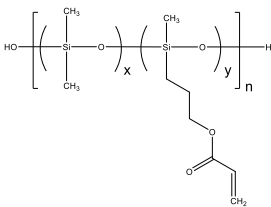


Sample Name: Poly(acryloxypropylmethylsiloxane-co-dimethylsiloxane), random

Sample #: P41931-AcPrMSDMSran

Structure:



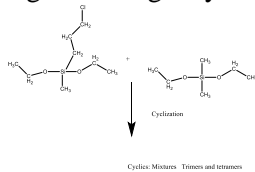
Composition:

Mn x 10 ³	PDI
6.5	1.55

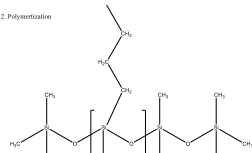
Ratio of AcPrMS:DMS	30:70
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Synthesis Procedure:

The polymer was synthesized by Cationic polymerization process using trifluorosulfonic acid using following 2 cyclic siloxane monomers mixture:

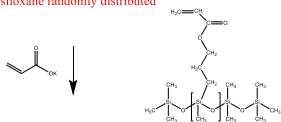


Step 2: Polymerization



Chloropropyl methyl siloxane randomly distributed

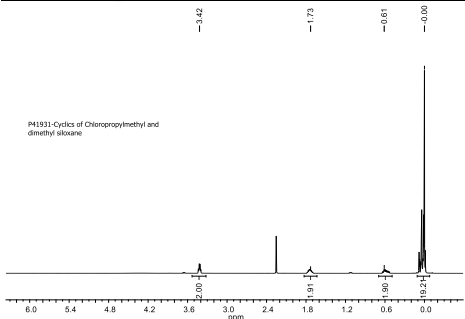
Step 3 : functionalization



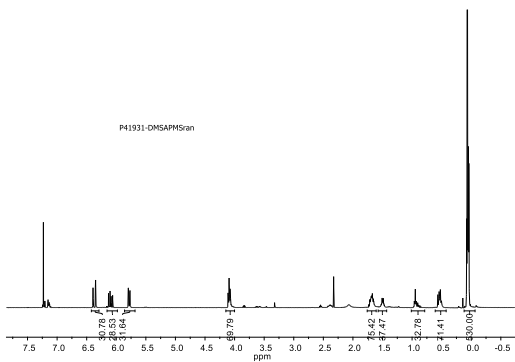
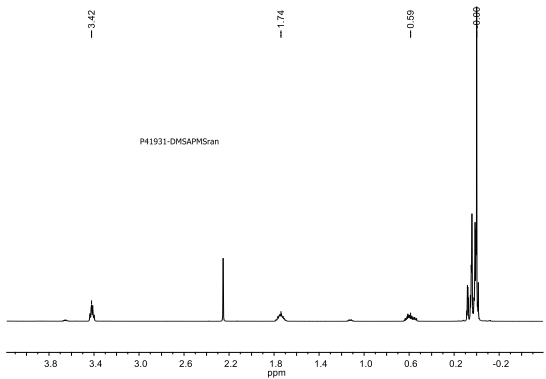
Characterization:

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

HNMR spectrum of the Cyclics mixture:

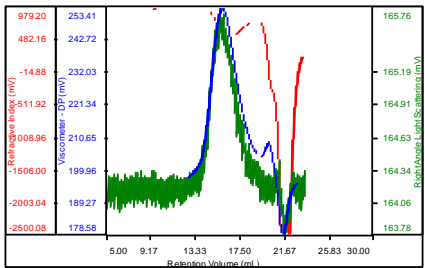


HNMR spectrum of the polymer:



SEC elugram of the Sample:

P41931	
dn/dc	0.0900
Solvent	Toluene
Flow Rate	1.0000
Method	PS100K-July2019-0001.vcm



Sample	Mn	Mw	Mz	IV	Mw/Mn
2019-07-31_19:05:23_P41931-DMApropyl	6,305	9,865	16,194	0.1770	1.564