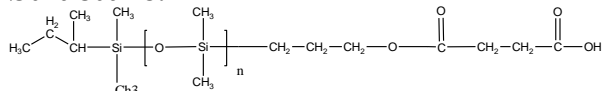


Sample Name:
Carboxy Terminated Polydimethylsiloxane
(succinic anhydride linkage)

Sample #: P18566-DMSCOOH

Structure:



Composition:

$M_n \times 10^3$	PDI
3.0	1.15
COOH functionality	> 45%

Synthesis Procedure:

Carboxy terminated polydimethylsiloxane was prepared by living anionic polymerization.

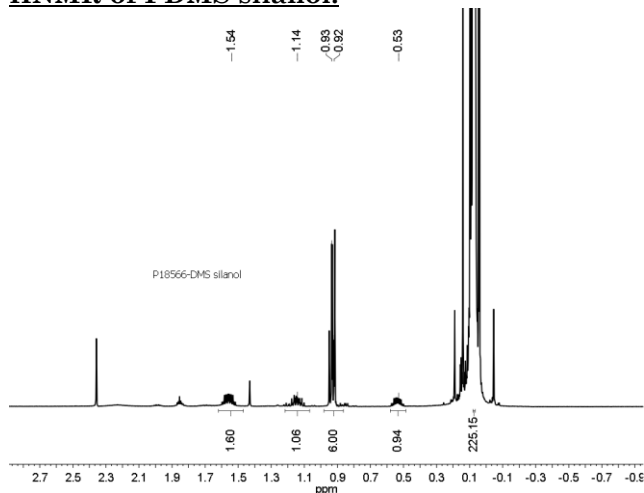
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

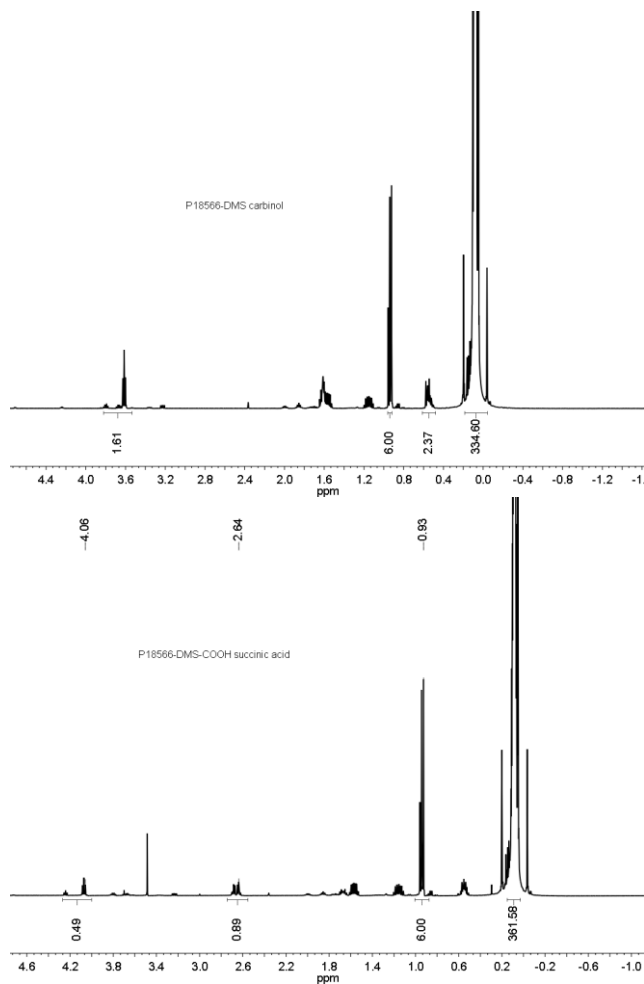
Solubility:

Polymer is soluble in hexane, THF and CHCl_3 .

HNMR of PDMS silanol:

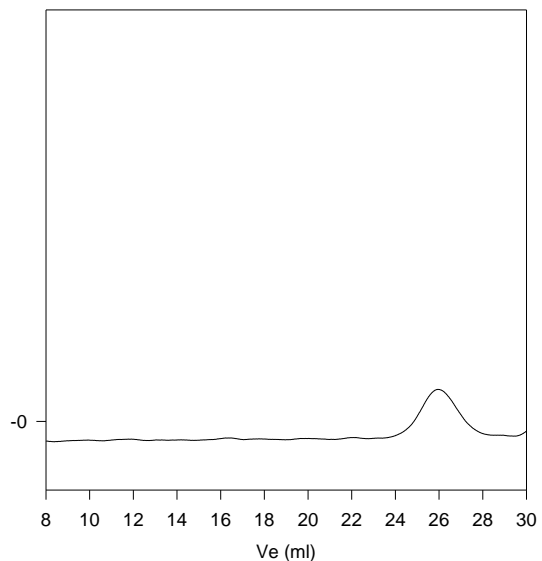


PDMS-Cabinol :Functionality about 50%



SEC of Sample:

P18566-DMSOH (carbinol)



Size exclusion chromatography of

— Poly(DMS)Carbinol terminated, $M_n=3,000$ Mw: 3,500 Mw/Mn 1.15