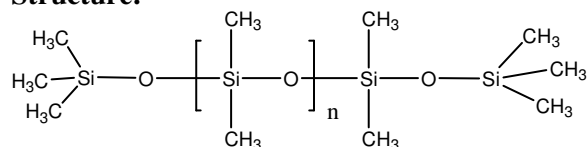


Sample Name: Polydimethyl siloxane-Trimethyl siloxy terminated

Sample #: P11129-DMS2TMS

Structure:



Composition:

Mn x 10 ³	PDI
10.0	1.28
T _m (°C): -42	T _c (°C): -71 T _g (°C): -127 (Lit.)

Synthesis Procedure:

By anionic polymerization process.

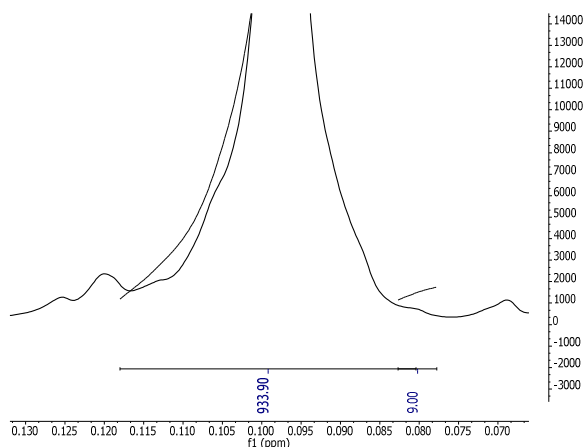
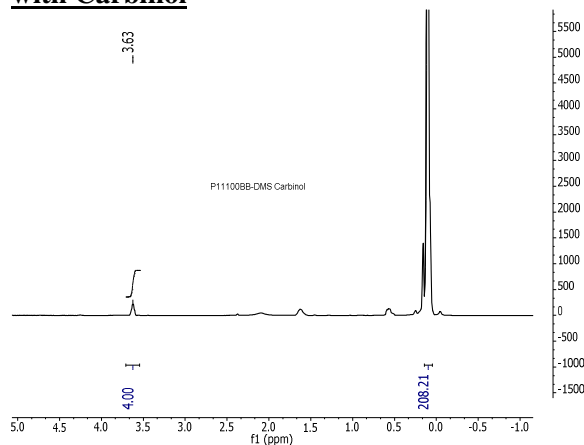
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography in toluene. SEC was calibrated with well characterized poly dimethyl siloxane polymers. .

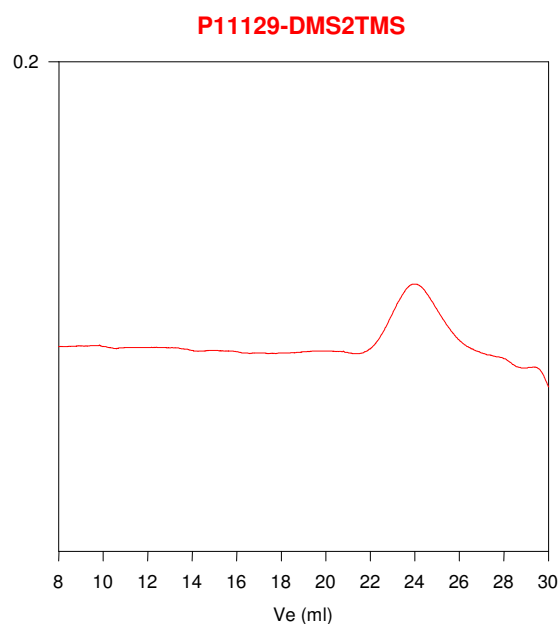
Solubility:

Polysiloxane is soluble in hexane, toluene, cyclohexane, THF and chloroform but precipitates from methanol and ethanol.

¹H NMR spectrum of the PDMS end functionalized with Carbinol



SEC elugram of Homopolymer:



Size Exclusion Chromatography in THF at 35 μ C w.r.t PDMS standards.

M_n = 10,000, M_w = 12,800, PI = 1.28