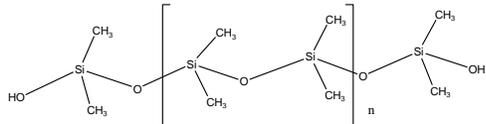


**Sample Name: Poly(dimethyl siloxane),  
( $\alpha$ -sec-butyl,  $\omega$ -silanol)-terminated**

**Sample #: P44346D-DMS-Silanol**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
5.0	1.6

**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

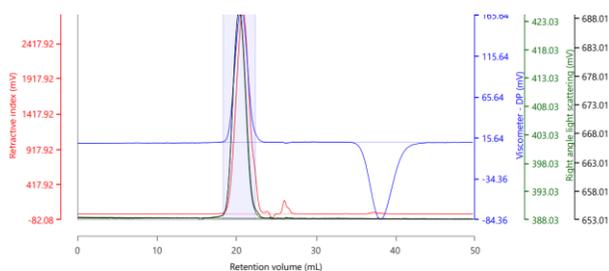
**Characterization:**

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.

**SEC elugram of Homopolymer:**



Results (Columns)

P44346D Injection 1 Peak 1	
Mn (g/mol)	4,857
Mw (g/mol)	7,976
Mw/Mn	1.642
Mp (g/mol)	6,455