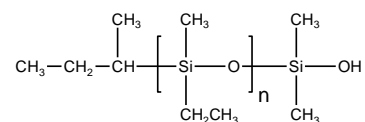
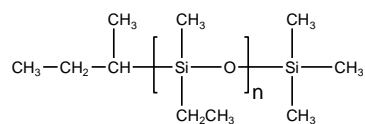


Sample Name: Poly (ethyl methyl siloxane)

H NMR of the monomer

Sample #: P40743-EtMS

Structure:



Composition:

Mn x 10 ³	Mw/Mn
6.0	1.4

Synthesis Procedure:

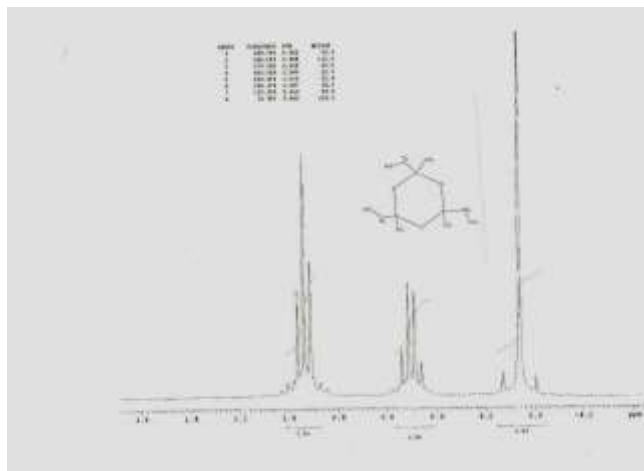
The polymer was prepared by Cationic polymerization process using CF₃SO₃H catalyst.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. SEC instrument was calibrated with monodispersed poly dimethylsiloxane polymers.

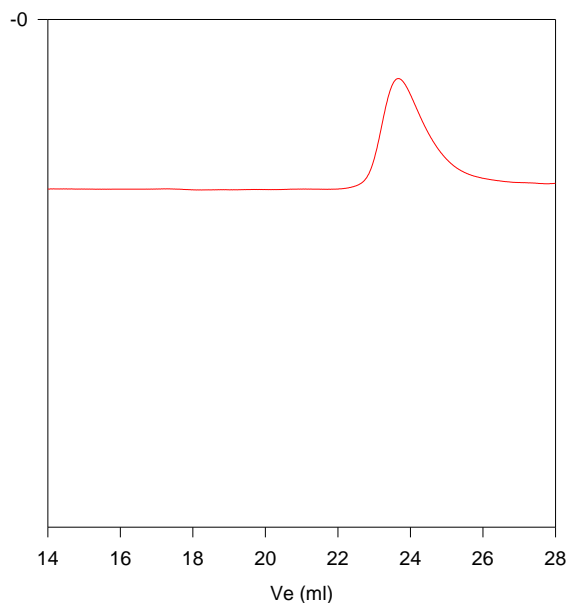
Solubility:

The Polymer is soluble in Hexane, toluene, benzene, THF, and CHCl₃.



SEC elugram of Homopolymer:

P40743-EtMS



Size Exclusion Chromatography of Poly(ethylmethyl siloxane)
M_n=6,000, M_w=8,300, PI=1.4