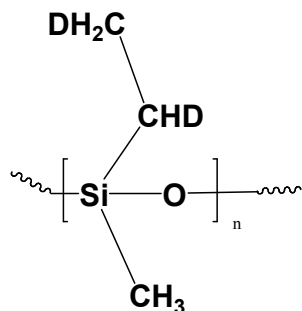


Sample Name:

**Deuterated D2- Poly(methyl ethyl siloxane)**

Sample #: **P10908-d2EtMS**

**Structure:**

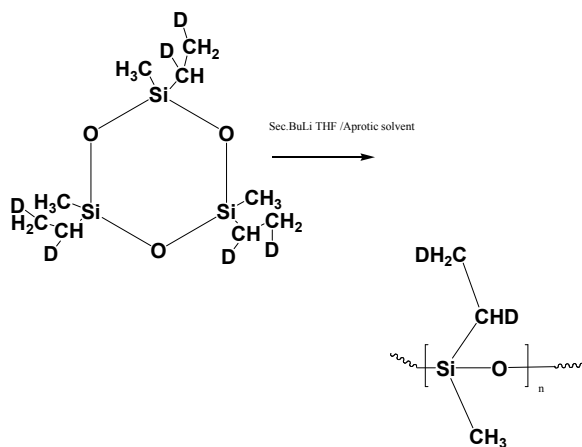


**Composition:**

Mn x 10 <sup>3</sup>	PDI
38.0	1.6

**Synthesis Procedure:**

The polymerization of the cyclic trimer deuterated (ethyl methyl cyclotrisiloxane-D3) was initiated with a monofunctional lithium based initiator in a polar / non-polar solvent mixture.



**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography using PDMS as reference products.

**Solubility:**

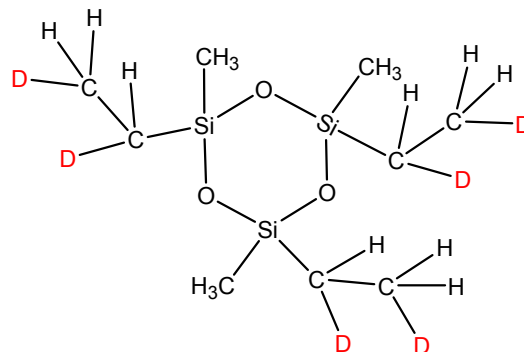
Polysiloxane is soluble in hexane, toluene, cyclohexane, THF and chloroform but precipitates from methanol and ethanol.

**d6- EtMe-D3 Lot P10907**

**Composition: purity ≥ 98% (from NMR)**

**Chemical purity > 99%**

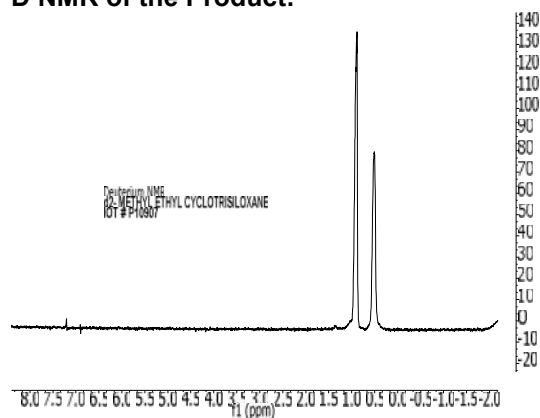
**Structure:**



**Mass: 270.0**

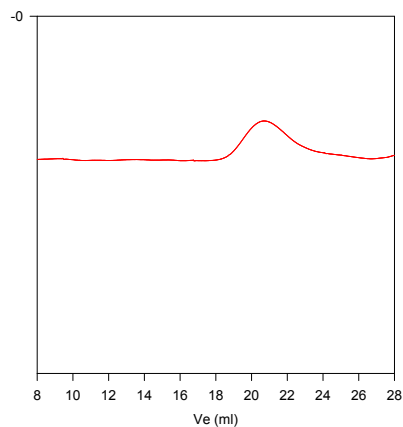
**Characterization:**

**D NMR of the Product:**



**SEC of Homopolymer:**

**P10908-d2EtMS**



Size Exclusion Chromatography of Poly(ethylmethyl siloxane)

M<sub>n</sub>=38,000, M<sub>w</sub>=60,800, PI=1.6