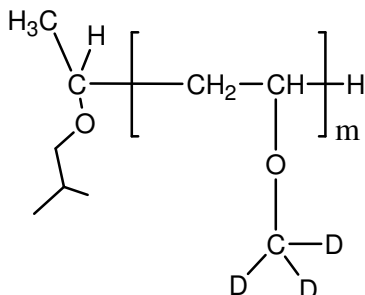


Sample Name:

**Deuterated-d3(Poly(methyl vinyl ether))**

Sample #: **P19955-d3MVE**

**Structure:**

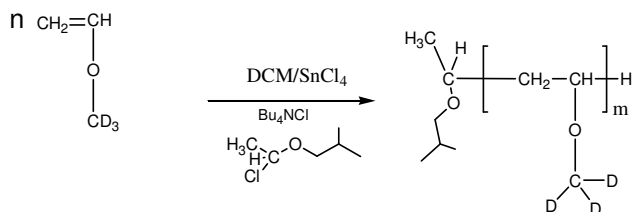


**Composition:**

$\text{Mn} \times 10^3$	PDI
16.0	1.14

**Synthesis Procedure:**

Deuterated (d<sub>3</sub>) Poly(methyl vinyl ether) is obtained by living cationic polymerization. The reaction scheme is illustrated below:



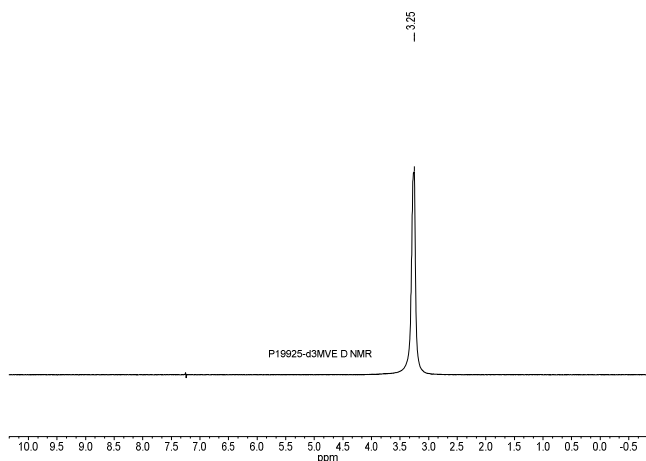
**Characterization:**

The polymer was characterized by <sup>1</sup>H NMR and SEC analysis.

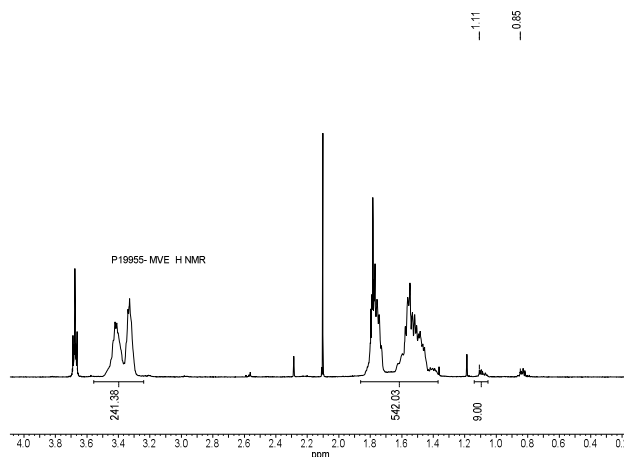
**Solubility:**

Deuterated (d<sub>3</sub>) Poly( methyl vinyl ether) is soluble in acetone, methanol, water.

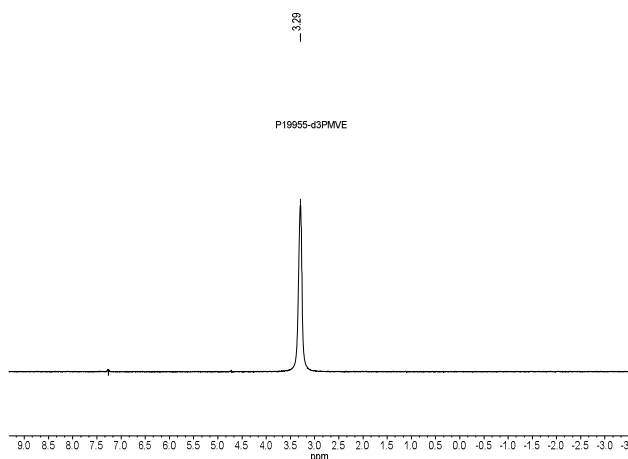
**D NMR spectrum of MVE in CHCl<sub>3</sub>:**



**<sup>1</sup>H NMR spectrum of MVE in CHCl<sub>3</sub>:**



**D NMR spectrum of PMVE in CHCl<sub>3</sub>:**



**SEC elugram of Homopolymer:**

**P19955-d3PMVE**

