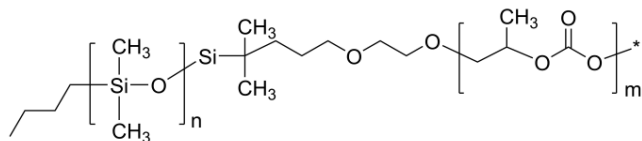


Sample Name:

**Poly(dimethylsiloxane)-b-poly(propylene carbonate)**

Sample #: **P43082-DMSPPC**

**Structure:**

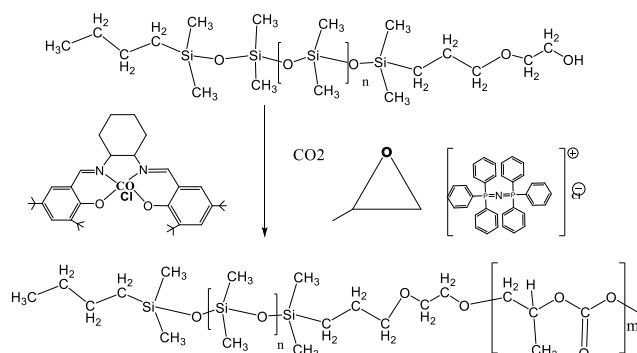


**Composition:**

Mn x 10 <sup>3</sup>	PDI
5.0-b-10.0	1.35

**Synthesis Procedure:**

The following reaction scheme shows how the product was prepared and the catalyst that has been used:



**Characterization:**

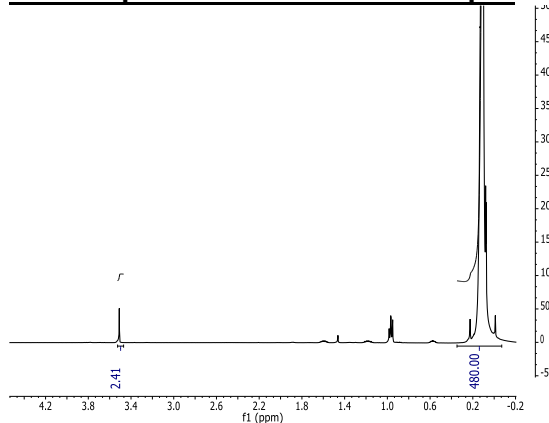
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR data analysis.

**Purification:**

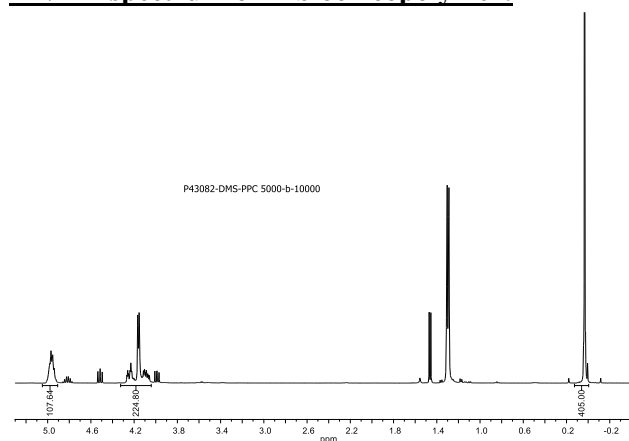
Product was purified to remove:

1. Homopolydimethylsiloxane if any
  2. Homopoly propylene carbonate
- Using solvent /non solvent mixture and the purification followed by SEC profile.

**HNMR spectrum of PDMS-OH Sample:**



**HNMR spectrum of Diblock copolymer:**



**HNMR spectrum of Diblock copolymer:**

Chromatogram Plot

