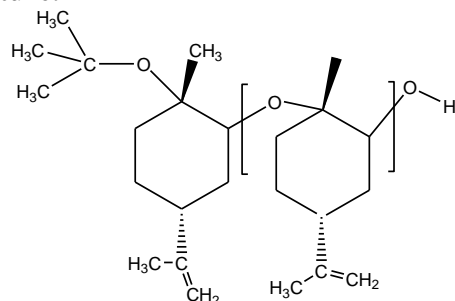


**Sample Name:** monohydroxy-terminated  
poly(limonene Oxide)

**Sample #:** P41288-LimO

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn
1.5	1.5

Glass transition temperature:	56 °C
Onset of decomposition temperature:	≥ 235 °C

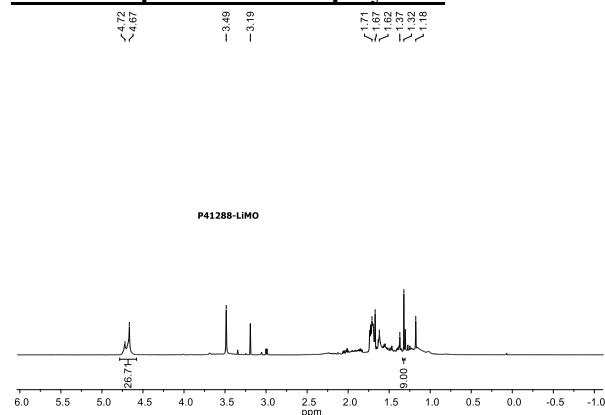
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) using THF as an eluant, and by HNMR in CdCl<sub>3</sub>.

**Thermal analysis:**

It was performed on TA Instruments TGA-550 Discovery (TGA) and Q100 differential scanning calorimeter (DSC). **TGA:** The degradation temperature was measured at a scan rate of 5°C/min under a nitrogen atmosphere. **DSC:** The glass transition temperature (T<sub>g</sub>) of the polymer was measured at a scan rate of 10°C/min shortly after creating thermal history of the sample.

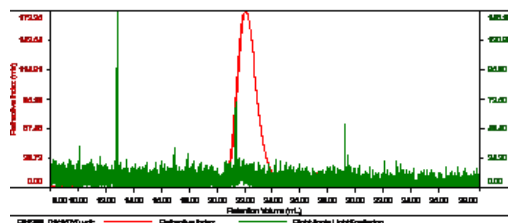
**<sup>1</sup>H NMR spectrum of the polymer:**



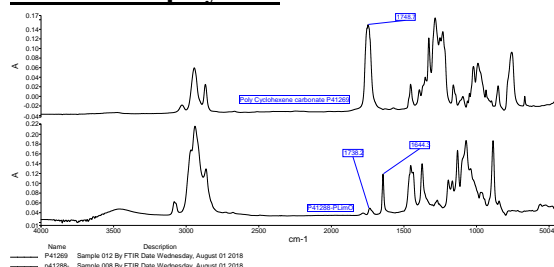
**SEC elugram of the Sample:**

P41288-LimC

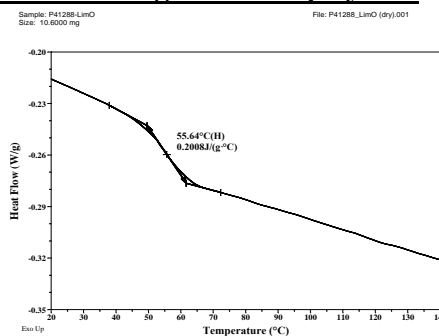
Concentration (mg/mL)	9.3741
Sample elution (mL)	0.1853
Method File	P41288-August-2018-2019.snm
Column Set	St PL 1113-6300
Eluent	THF



**FTIR of the polymer:**



**DSC thermogram of the polymer:**



**TGA thermogram of the polymer:**

