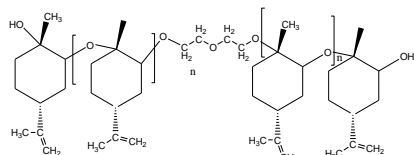


Sample Name: α,ω -dihydroxy-terminated
poly(limonene Oxide)

Sample #: P41279-LimO

Structure:



Composition:

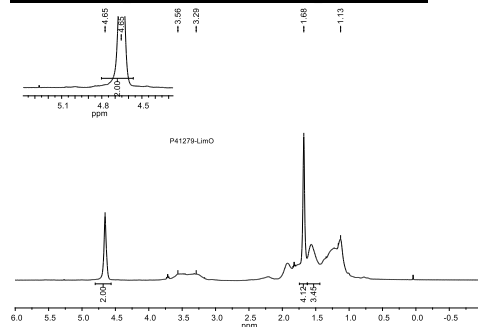
Mn x 10 ³	Mw/Mn
6.5	1.24
Glass transition temperature:	75 °C
Onset of decomposition temperature:	≥ 240 °C

Characterization:

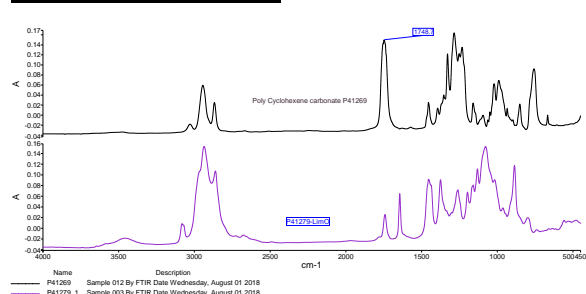
The product was characterized by size exclusion chromatography (SEC) using THF as an eluant, And by HNMR in CdCl₃

Thermal analysis 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_g) of the polymer was measured at a scan rate of 10°C/min shortly after creating thermal history of the sample.

HNMR spectrum of the polymer:



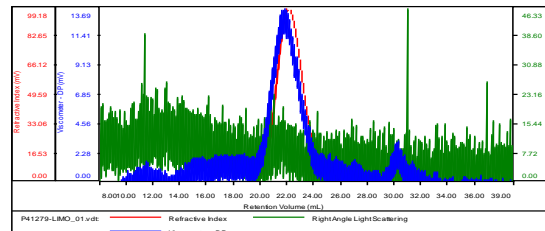
FTIR of the polymer:



SEC elugram of the Sample:

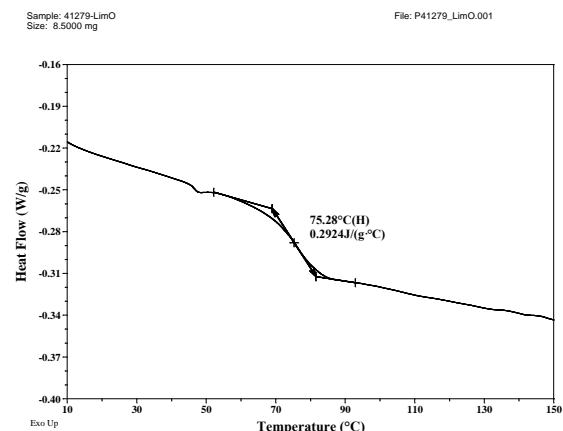
P41279-LimO

Concentration (mg/mL)	7.4346
Sample dr/dc (mL/g)	0.1850
Method File	PS100K-August-2018-2019.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41279-LIM0_01.v	6,183	7,677	1.242	0.1519	6,295

DSC thermogram of the polymer:



TGA thermograms of the polymer:

