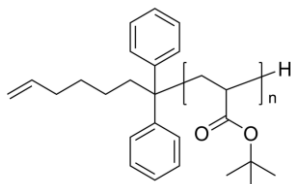


Sample Name: Poly (tert-butyl acrylate), α -vinyl-terminated

Sample #: P42297-tBuAvinyl

Structure:



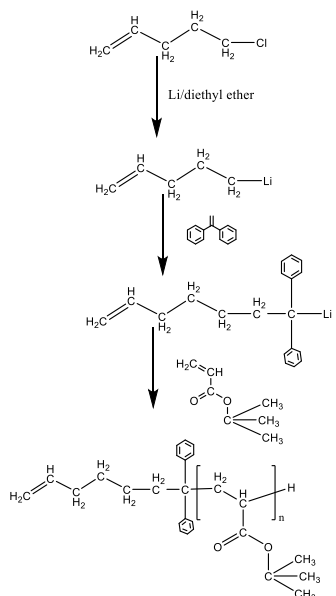
Composition:

Mn x 10 ³	PDI
7.0	1.06

Functionality:	100%
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Synthesis procedure:

Olefinic vinyl terminated poly (tert-butyl acrylate) was prepared by anionic process using pentenyl lithium as initiator.



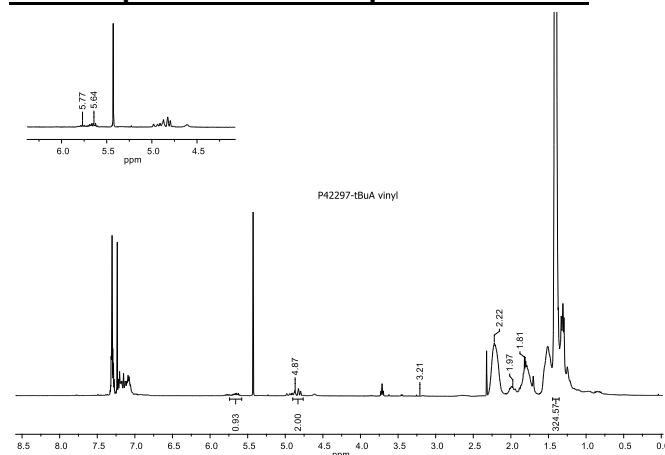
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. Agilent chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors.

Functionality:

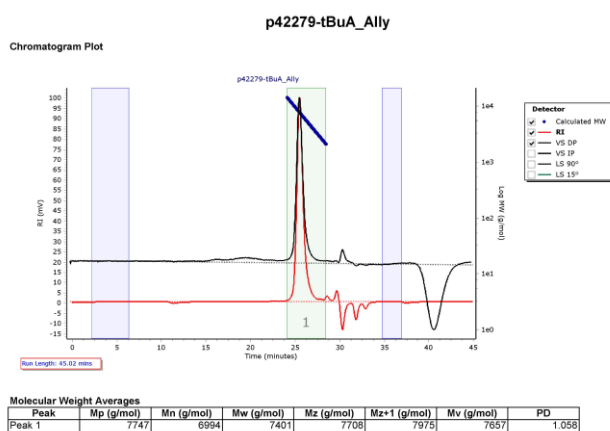
Functionality of the obtained polymer was determined by ¹H NMR.

HNMR spectrum of the Sample run in CdCl₃:



SEC elugram of the Sample:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	7747	6994	7401	7708	7975	7657	1.058