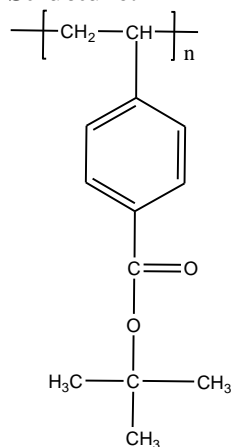


Sample Name:
Poly(4-vinyl tert.butyl benzoate)

Sample #: **P16207-tBu-4VBA**

Structure:



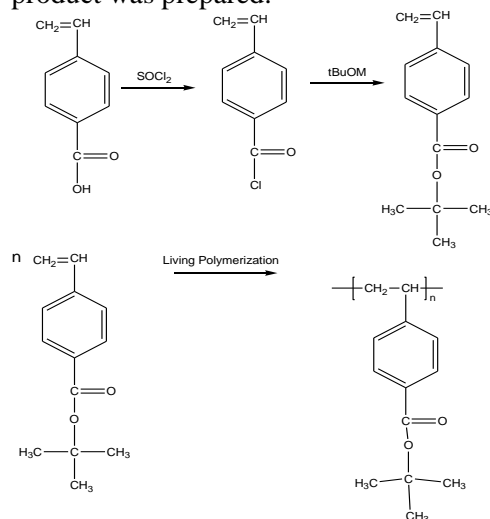
Composition:

$M_n \times 10^3$	PDI
29.0	1.03

Synthesis Procedure:

Poly(4-vinyl tert.butyl benzoate) is synthesized by controlled radical process using TEMPO.

The following reaction scheme shows how the product was prepared:



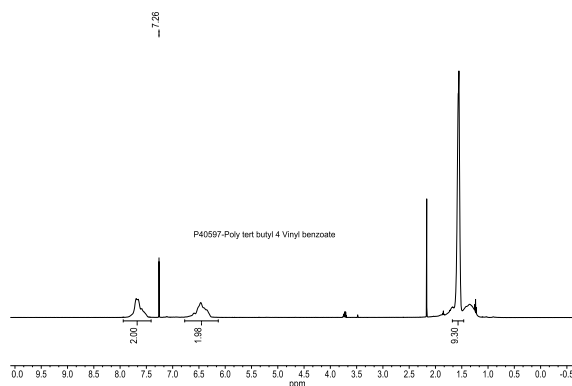
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

Solubility:

Polymer is soluble in DMF, THF and CHCl_3 . It precipitates from water and cold hexanes.

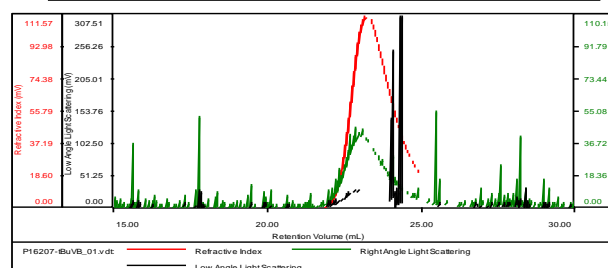
^1H NMR spectrum of the polymer:



SEC elugram of poly (t-butyl vinylbenzoate):

P16207-tBuVB

Concentration (mg/mL)	2.1483
Sample dn/dc (mL/g)	0.1440
Method File	PS80K-Feb2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	M_n (Da)	M_w (Da)	M_w/M_n	IV (dL/g)	M_p (Da)
P16207-tBuVB_01.vdt	29,084	30,108	1.035	0.4626	32,182