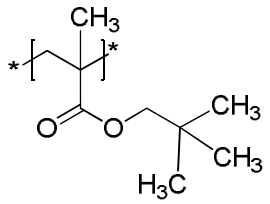
Sample Name: Poly(neopentyl methacrylate)

Sample #: P14796-NPMA

Structure:

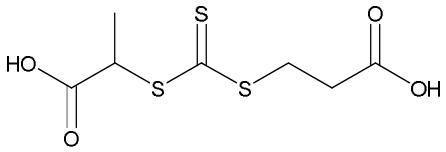


Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
292.0*	1.4
** - using dn/dc value for PMMA (0.085 mL/g)*	

Synthesis procedure:

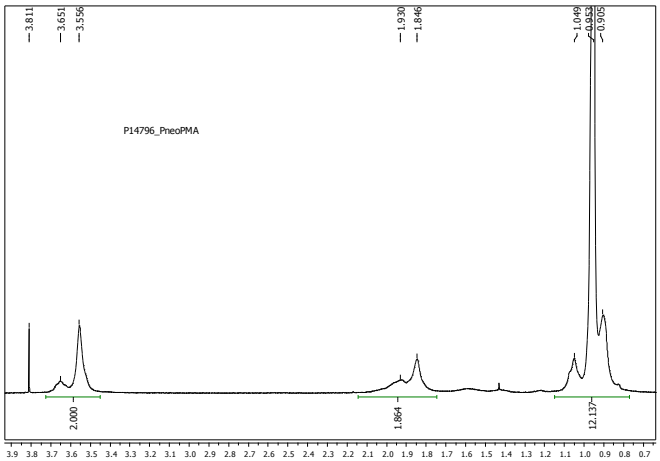
The product was obtained by RAFT polymerization using V501 as a radical initiator and the following chain transfer agent:



Characterization:

The product was characterized by size exclusion chromatography (SEC) using refractive index and light-scattering detectors (SEC-LS) to estimate M_n and polydispersity (M_w/M_n). The chemical structure was confirmed by ^{1}H NMR.

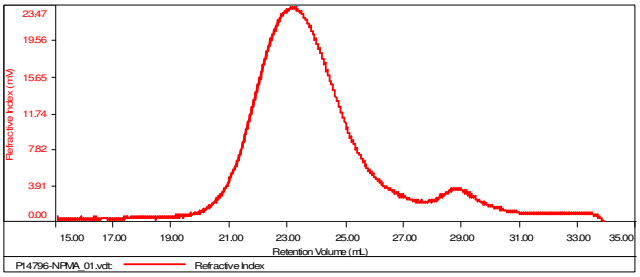
^{1}H NMR (500 Mhz, $CDCl_3$) spectrum:



SEC of the polymer:

Sample ID-P14796-NPMA

Concentration (mg/mL)	0.8916
Sample dn/dc (mL/g)	0.0850
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P14796-NPMA_01.vdt	291,752	409,698	230,158	1.404	0.0000