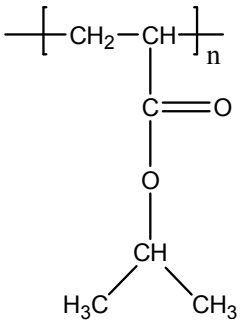
Sample Name:
Poly(isopropyl acrylate)
Sample #: **P19231A-IPrA**

Structure:



Composition:

Mn x 10^3	PDI
7.0	1.5
9.0 (HNMR)	

Synthesis Procedure:
Poly(isopropyl acrylate) is obtained by GTP polymerization process.

Characterization:

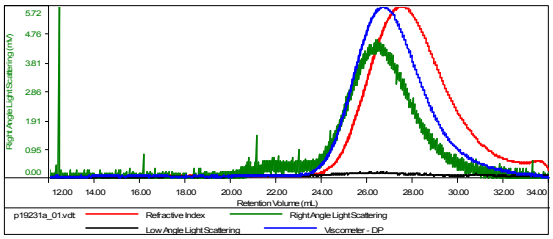
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

Solubility:
Polymer is soluble in THF, hexanes (low MW), toluene and $CHCl_3$. This polymer precipitates from ethanol and methanol containing 10-15% water.

SEC of Sample:

Sample ID:P19231a-iPrA

Concentration (mg/mL)	5.5399
Sample dn/dc (mL/g)	0.0700
Method File	PS80K-April13-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersit	Intrinsic Viscosity (dL/g)
p19231a_01.vdt	7,069	13,615	10,008	1.926	0.3915