

Product Profile

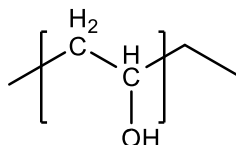
Identification

Product Name: Poly (Vinyl alcohol)

Product Lot Number: P60653-VA

CAS# 9002-89-5

Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	dn/dc in Water
1.7	1.08	0.15ml/g
Microstructure of Polymer by ¹ H NMR		

Method of Synthesis. Poly vinyl alcohol is obtained from the hydrolysis of poly vinyl acetate under alkaline conditions. Poly vinyl acetate is obtained by RAFT radical polymerization. Polymerization was carried out in bulk.

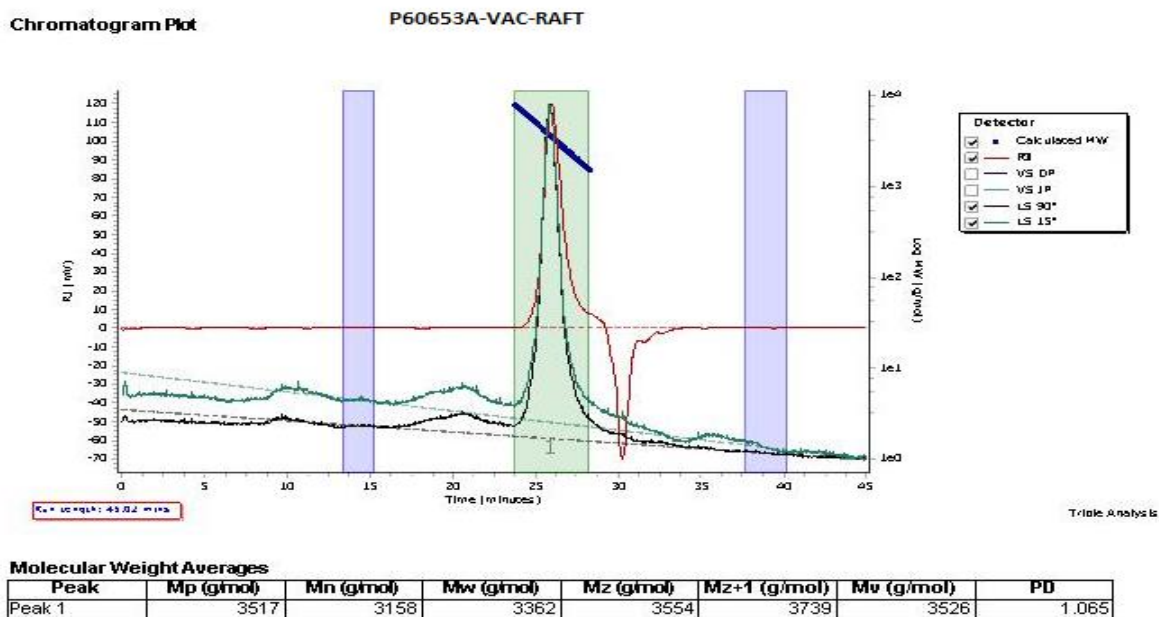
Solubility in different solvents

THF	X	Water	✓
CHCl ₃	X	Acetone	X
Toluene	X		

Purification of Polymer: By column chromatography.

Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile:



B. NMR (HNMR) of polymer:
Poly Vinyl alcohol run in Water:

