

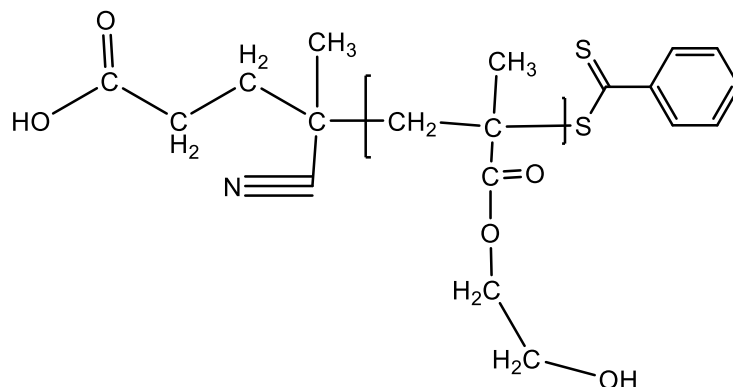
Product Profile

Identification

Product Name: Poly(2-hydroxyethyl methacrylate), ω -RAFT-terminated

Product Lot Number: P45364A-HEMA-RAFT

Product Chemical Architecture:

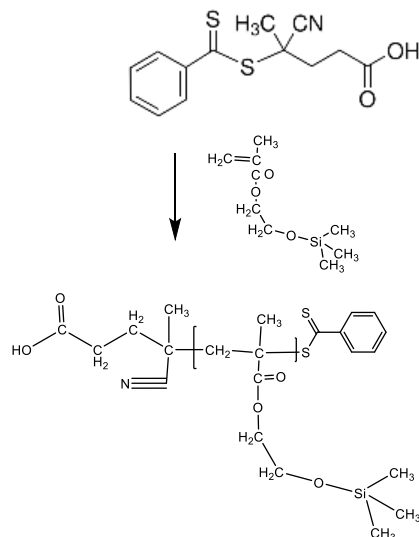


Composition:

Mn x 10 ³	Mw/Mn (PDI)
1.0	1.13

Method of Synthesis : By RAFT process

RAFT used in the process



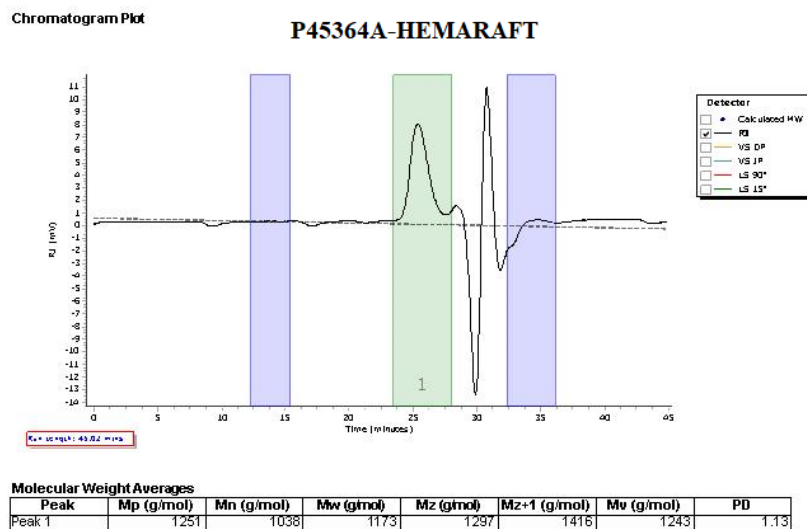
Solubility in different solvents

THF	√	Methanol	√
CHCl ₃		DMF	√
Acetone	√	1-4 Dioxane	√

Purification of Polymer by Soxhlet.

Validation of Architecture:

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



The molecular weight and polydispersity index (PDI) of polymer is obtained by size exclusion chromatography in THF- with 4 % DMF. The columns were calibrated with polyethylene glycol.

B. NMR (HNMR) of polymer:

