

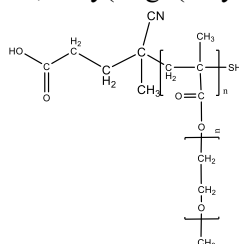
Product Profile

Identification

Product Name: Poly(oligo(ethylene glycol) methyl ether methacrylate) 300

Product Lot Number: P80576B-OEGMA

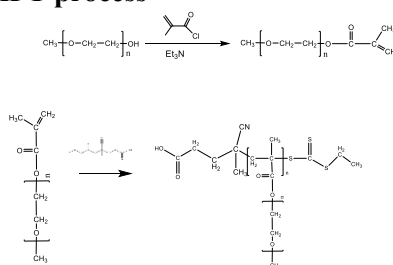
Product Chemical Architecture: POEGMA, Poly(oligo(ethylene glycol) methacrylate)



Composition:

Mn x 10 ³	Mw/Mn (PDI)
40.0	1.37
Microstructure of Polymer by ¹ H NMR Heterotactic rich	

Method of Synthesis: By RAFT process



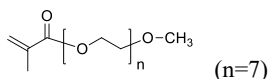
Solubility in different solvents for the polymer

THF	√	H2O	√
CHCl ₃	√	DMF	√
Toluene-Hot	×	Dioxane	√

Following monomer was used:

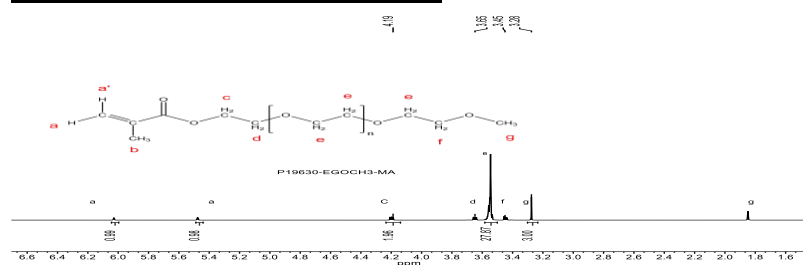
oligo(ethylene glycol) methyl ether methacrylate

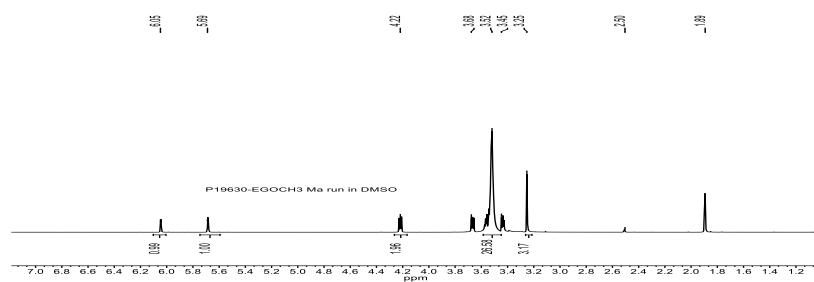
Lot#P19630-EGOCH3MA



Molecular weight (g/mol):	M _n = 300
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¹H NMR spectrum of the oligomer



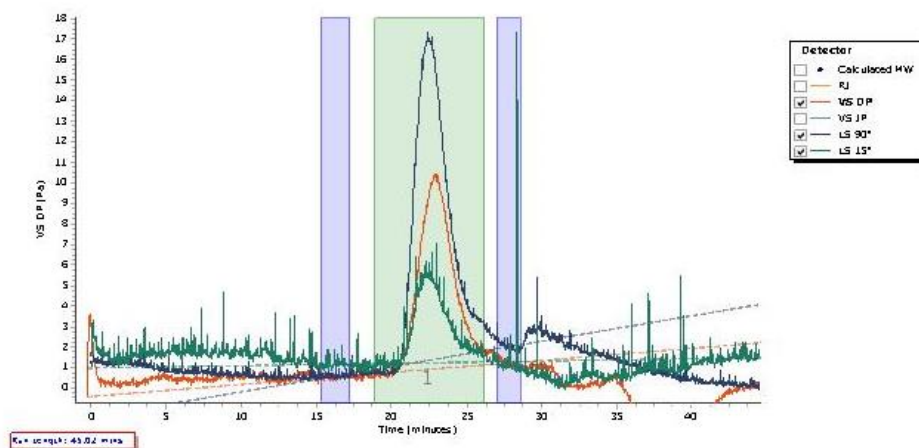


Validation of Architecture:

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

Chromatogram Plot

P80576B-OEGMA



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	54411	40269	55260	70518	84804	68484	1.372

B. NMR (HNMR) of polymer:

