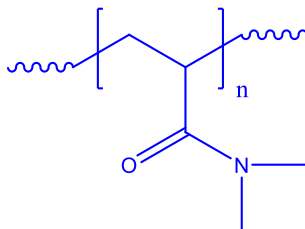


Product Profile

Identification

Product Name: Poly(N-N-dimethylacrylamide)

Product Lot Number: P41421-R-DMA



Product Chemical Architecture:

Composition:

Mn (g/mole)	370,000
MW (g/mole)	625,500
Mw/Mn	1.69
dn/dc (mL/g)	0.165 in water

Method of Synthesis

The polymer is prepared by free radical polymerization process.

Solubility in different solvents

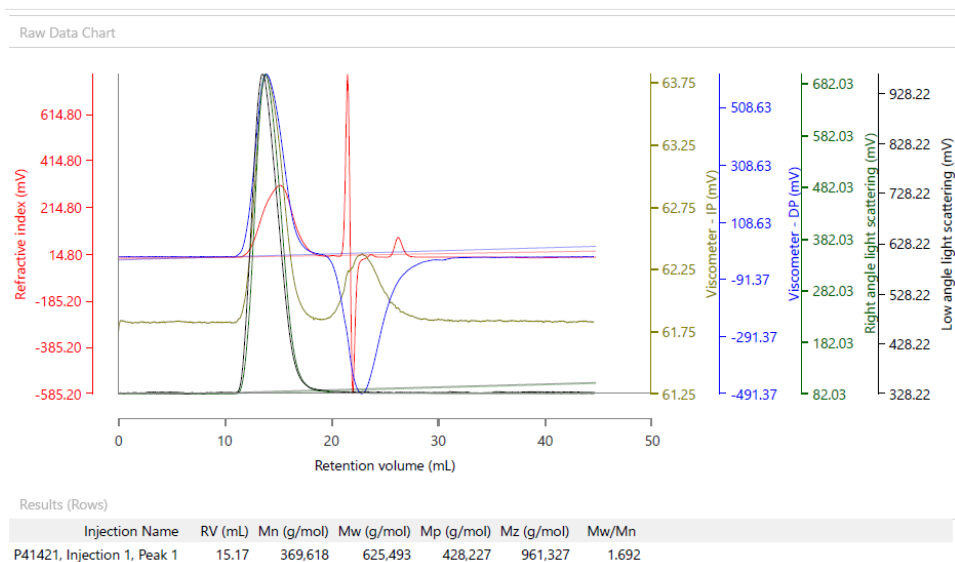
THF	√	DMF	√
Alcohol	√	CHCl ₃	√
Toluene	X	DMSO	√

Validation of Architecture

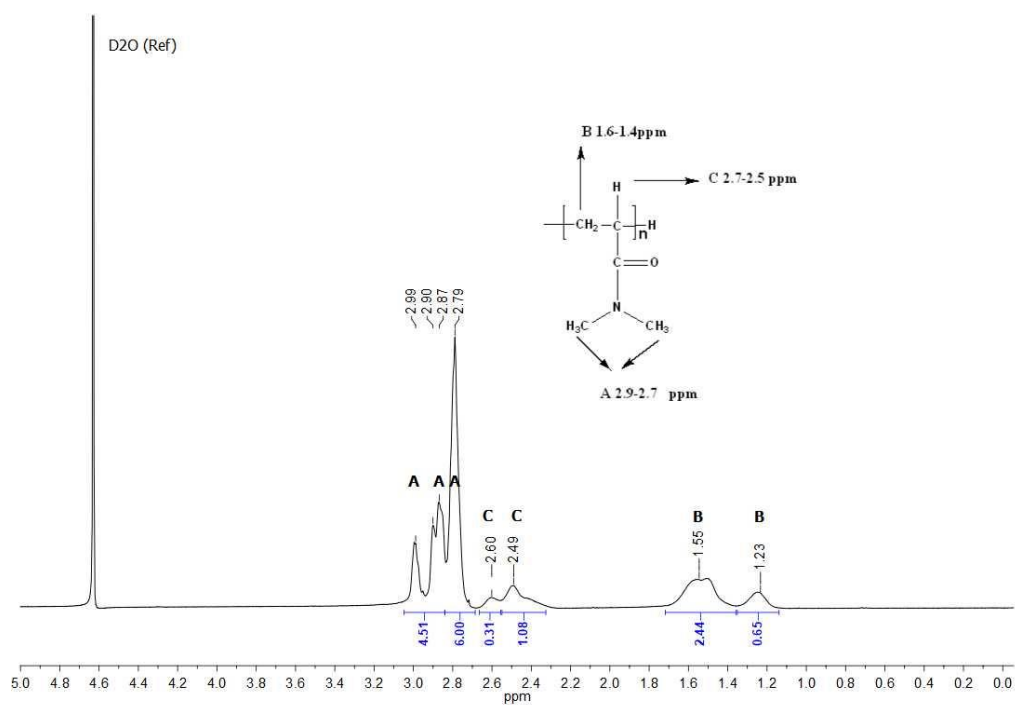
A. Gel Permeation Chromatography (GPC), SEC- Profile:

Polymer Source

Malvern Panalytical



B. NMR (HNMR) OF PDMA general



C. Dependence of glass transition temperature (T_g) of PDMA from its molecular weight:

