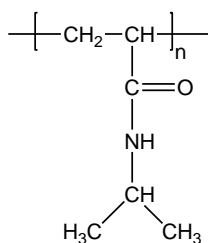


Sample Name: Poly (N-isopropyl acrylamide)

Sample #: P18136A-NIPAM

Structure:



Composition:

$M_n \times 10^3$	PDI
12.0	1.9

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using DMF as an eluant.

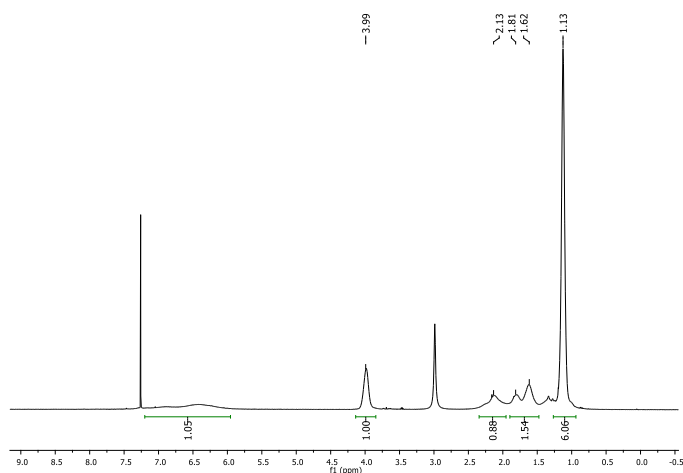
Thermal analysis:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T_g).

Solubility:

Poly (N-isopropyl acrylamide) is soluble in water, DMF, THF, and acetone. It is insoluble in hexane and ether.

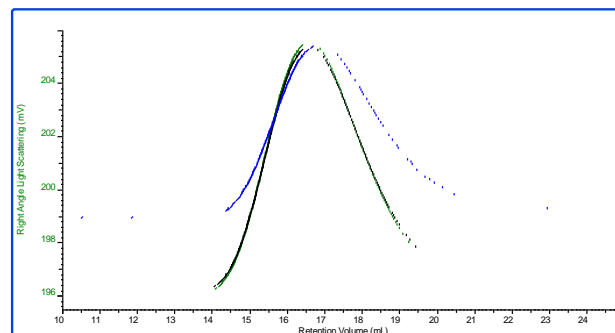
NMR spectrum of Homopolymer:



SEC elugram of Homopolymer:

P18136A

dn/dc	0.0770
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P18136A_1_2	11,851	22,873	38,589	0.1259	1.930