

Sample Data for the Heating and Cooling of Lauric Acid, C₁₂H₂₂O₂

Heating		Cooling	
Time (min)	Temperature(°C)	Time (min)	Temperature(°C)
0	30.0	0	55.0
0.5	33.2	0.5	52.6
1.0	35.5	1.0	49.5
1.5	37.5	1.5	45.5
2.0	39.0	2.0	44.3
2.5	41.0	2.5	44.1
3.0	42.0	3.0	44.0
3.5	42.6	3.5	44.0
4.0	43.0	4.0	44.0
4.5	43.4	4.5	44.0
5.0	43.6	5.0	44.0
5.5	43.7	5.5	44.0
6.0	43.8	6.0	44.0
6.5	44.0	6.5	44.0
7.0	44.0	7.0	44.0
7.5	44.1	7.5	43.7
8.0	44.2	8.0	43.5
8.5	44.5	8.5	43.3
9.0	45.2	9.0	43.0
9.5	46.0	9.5	42.6
10.0	47.5	10.0	42.3
10.5	49.0	10.5	41.9
11.0	51.4	11.0	41.5

Data from http://www.saskschools.ca/curr_content/chem30_05/1_energy/labs/change_of_state.pdf