

Mass of Aluminum Calorimeter: $13.17 \pm 0.01\text{g}$

Mass of Water: $149.47 \pm 0.01\text{g}$

Table 1.0: Time Elapsed and Temperature of Water After Igniting Denatured Ethanol

Time Elapsed t/s ± 2	Temperature of Water T/ $^{\circ}\text{C}$ ± 0.5
0	30.0
15	30.0
30	30.0
45	30.0
60	30.2
75	34.0
90	36.9
105	39.5
120	43.0
135	45.5
150	48.0
165	49.5
180	51.5
195	52.5
210	54.0
225	55.1
240	57.2
255	58.5
270	61.5
285	63.0
300	65.8
315	66.0
330	69.3
345	71.0
360	72.5
375	73.6
390	74.1
405	75.0

420	75.0
435	75.0
450	74.5
465	74.1
480	73.8
495	73.5
510	73.0
525	72.9
540	72.6
555	72.2
570	72.0
585	71.8
600	71.6
615	71.1
630	70.8
645	70.6
660	70.1
675	70.0
690	69.8
705	69.5
720	69.2
735	68.9
750	68.5
765	68.1

Time Elapsed and Temperature of Water

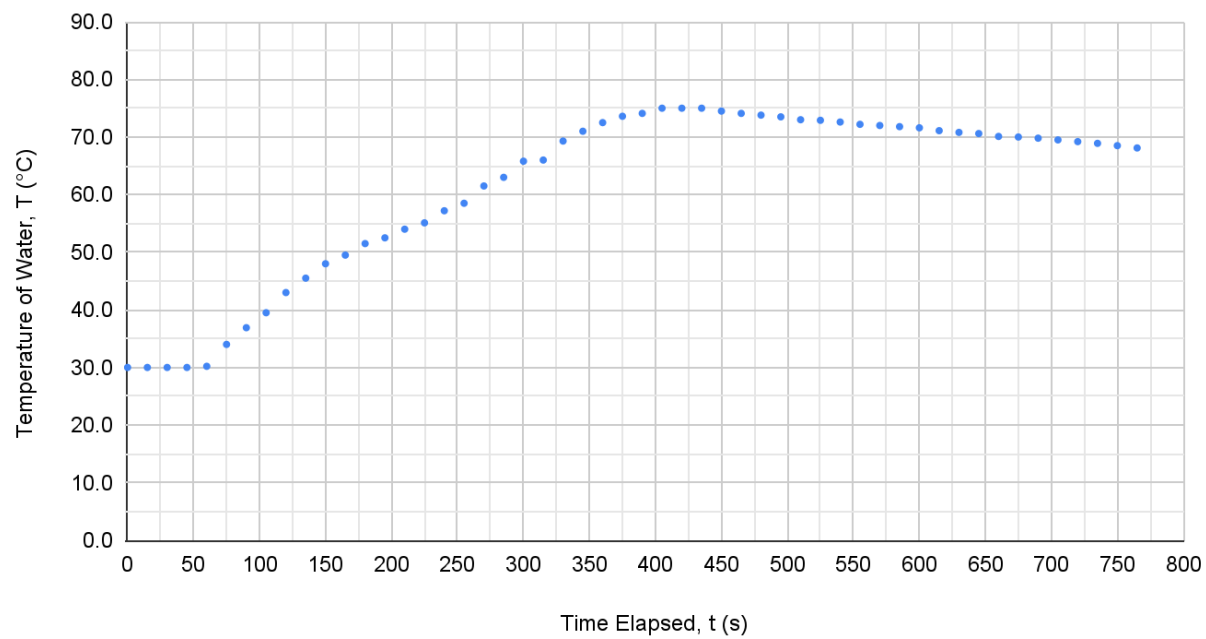


Figure 1.0: Time Elapsed vs. Temperature of Water After Igniting Denatured Ethanol