

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 $\pm 2$	Temperature of Water T/°C $\pm 0.5$
0	25.1
30	30.2
45	34.0
60	36.9
75	39.5
90	43.0
105	45.5
120	48.0
135	49.5
150	51.5
165	52.5
180	54.0
195	55.1
210	57.2
225	58.5
240	61.5
255	63.0
270	65.8
285	66.0
300	69.3
315	71.0
330	72.5
345	73.6
360	74.1
375	75.0
390	75.0
405	75.0
420	74.5

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

Time Elapsed and Temperature of Water After Igniting Ethanol

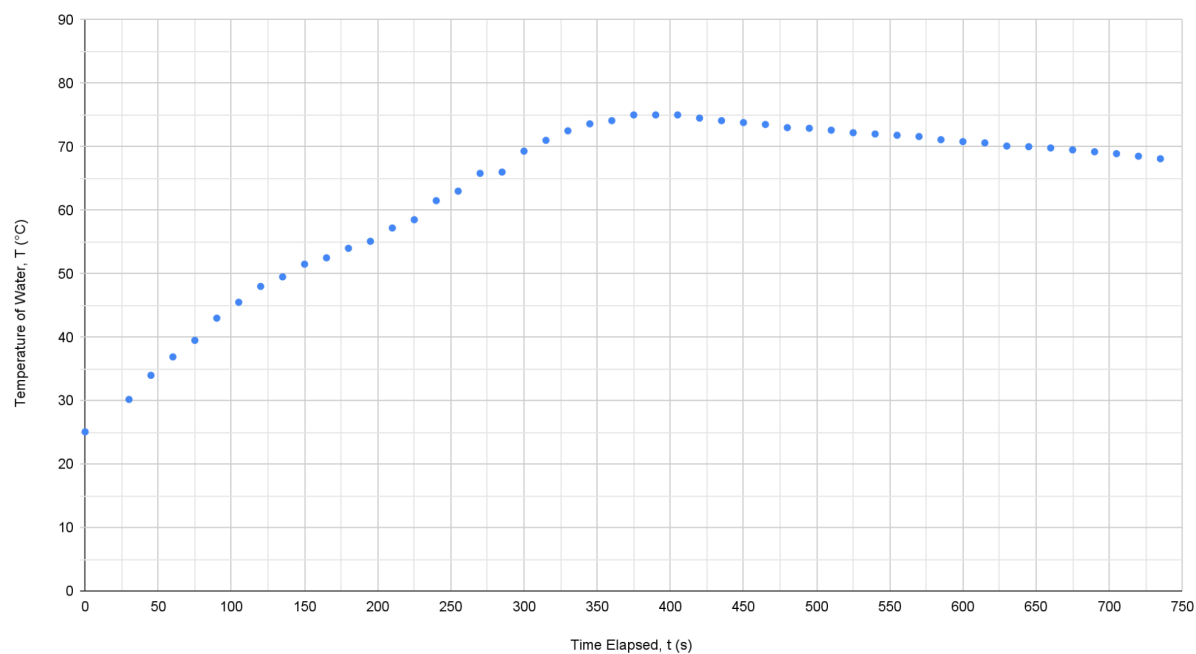


Figure 1.0: Time Elapsed vs. Temperature of Water After Igniting Denatured Ethanol