Discussion

The experiment was concerned with finding the Specific Heat capacities of Brass and steel. During the experiment it was assumed that the apparatus was in thermal isolation and the metal pieces had reached the boiling temperature of water. with the assumptions that a degree of error was introduced in the experiment.

When the state collected was analysed, the specific heat capacities of brass found were (0.345 , 0.349 and 0.339) KJ/Kg·K with relative errors of 11.4% respectively. The average of the specific quantities which is the Standard Specific Heat Capacity of Brass was 0.341 KJ/Kg·K.

For steel the specific heat capalities were (0.390 . 0.539 , 0.383) KJ/Kg·K and relative error of 8.95%. The Standard Specific Heat Capacity of Brass is 0.437 KJ/Kg·K.

The experimental Results were within acceptable limits.