

Lab Report 3

Purpose and Procedure

The purpose of this lab is to determine the density of a metallic solid in order to determine the identity of metal. This is a continuation of the density lab report 1, however, we are using metal instead of just water. We will use the density formula, given metal number, and water temp. We will also be given the mass of empty flask + stopper, \gg + water, \gg + metal and will have to do this 4 times. The trials that we will be conducting will allow us to obtain the average of three values at at least 1% precision. In order to find the density of metal and standard deviation we will use the density of metal for just 3/4 trials. This will allow us to look in the CRC handbook identity of the metal with the average density of metal.