There are a lot of things in this world that people don’t pay attention to until they have to. For example, a lot of people don’t realize how important it is to use the bathroom daily and the importance of our urine; some even don’t know what urine is in general. Urine is a liquid produced by the kidneys to remove waste products from the bloodstream (Helmenstine 1971). This is an essential part of our daily lives, without it people would have an excess amount of urine in their bladder. Urine changes color and concentration due to the things people eat, diseases someone might have, and the amount of water the person drinks (Watson 2005-2013). Urine is something that people pay very little attention to, but it is something that is very interesting. The one thing that makes urine very interesting to most people is the color of it and figuring out why it is the way it is. Depending on the color of urine many things could be going on with a person’s body. If your urine is dark yellow that means that the certain individual needs to drink more water and vice versa. Furthermore, if it is too pale that could also mean that the person is taking a diuretic. Certain foods and medications can turn your urine certain colors. For example, carrots make your urine orange and certain medications turn your urine blue and green. Urine is the act of the human body releasing all the waste that is has obtained during the day; basically it’s the body getting rid of toxins. Even though most urine just detects toxins that the body gets rid of some urine contains a genetic disease called porphyria and it turns urine port wine color (Watson 2005-2013). Urine is one of those things that help doctors find exactly what is wrong with their patients and helps them cure people all over the world one ounce of urine at a time.

The experiment that was conducted was meant to help people identify the certain concentration of urine. In labs people are meant to be able to use the volumetric pipet and be able to identify the exact concentration of the substance. It is hard to calculate the exact concentration of a substance when measuring for it; this is the main objective of the experiment to help us calculate the concentration of any substance to match almost perfectly. Overall, this experiment was based on one simple question, what is the concentration of the unknown sample of urine?

In the experiment the hypothesis was rejected. This was realized due to a misleading eye or an optical illusion in the color of the test tubes that were comparing; in retrospect the spectrometer can detect color but the human eye cannot. The concentration of the unknown sample of urine was 66.56 Au. Although the hypothesis was rejected of the unknown sample the measurements that were received were dead on accurate; even with the few errors that were calculated. During the experiment there were a few errors that have to be accounted for in the experiment. At the beginning of the procedure there were a few errors with the volumetric pipet, the calculations weren’t that accurate but near the end the error was fixed and the experiment on the urine came out almost perfect. Everybody makes mistakes people just have to fix them and once they are fix nothing can stop people from being right. In conclusion, this experiment helped many people understand how to find the concentration and transmittance of various colors and the urine sample given.

Works Cited

(Helmenstine 1971)

( Watson 2005-2013)