

Laboratory Report Guideline – Identification of a Weak Acid

1. Cover Page:

make sure to put the unknown number and the identity of acid on the cover page
make sure to put the average molar mass of the unknown

2. Abstract:

the purpose of the lab
the average molar mass of your unknown
identification of the unknown

3. No Theory Section

4. Procedure

5. Data:

a data table that contain three trials (minimum): mass of the acid used, buret volume readings (initial, final, change)
unknown number
molarity of the NaOH solution

6. Calculations:

molar mass of the unknown acid (you need to show at least one full complete calculation)
average molar mass calculation
% difference calculation

7. Error Analysis:

general errors in the experiment and how did it effect the result?
if any trials are thrown out, explain why.
discussion about the average molar mass and % difference value

8. No Conclusion

9. References

10. No Questions

Be sure to watch for pronouns, significant figures, and units