**Titration Procedure**

**Portable Biodiesel Unit**

1. Using the 3 ml syringe, add 1 ml of canola oil to the plastic beaker
2. Using the 12 ml syringe, add 10 ml of Solution B
3. Add 3 drops of Solution C
4. Mix the solutions together by swirling the beaker in a circular fashion (don’t spill or splash any on your hand)
5. Using a second 12 ml syringe, draw up 7-10 ml of Solution A
6. Drop by drop, add Solution A to the mixture, mixing as you go.
7. After approximately 3-4 ml, you will notice the mixture turning pink/magenta. Continue adding drops until the color stays for at least 10 seconds or more
8. Record the amount of Solution A used below

Amount of Solution A used: ­­­­­\_\_\_\_\_\_\_\_\_\_ ml

Plug this number in the spreadsheet. We will be making 40 gal of biodiesel. Potassium Hydroxide is 90% pure.

How many grams of KOH are needed to make a 30 gal batch? \_\_\_\_\_\_\_\_\_\_ grams

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