**Lab notebook grading rubric:**

***Fischer esterification to form butyl acetate***

\_\_\_/3 **Purpose …**

\_\_overall reaction listed

\_\_ Name of reaction indicated

 \_\_full sentences

\_\_/10 **Procedure**

 \_\_\_ mmoles/ mass or vol of all major reactants listed

 \_\_\_Apparatus sketches

 \_\_\_ behavior of reaction pot and any steps taken to initiate and continue reaction

(color ? what does the final product smell like after you halt refluxing)

\_\_\_details connected with workup (separation…which layer is which ? Why add carbonate? Bubbles ? )

\_\_\_/5 **Materials table (butyl alcohol, acetic acid, butyl acetate)**

\_\_/ 7 **Results**

 \_\_Yield > 30%

 \_\_ IR bands matched explicitly against known bands in lab handout

**Deductions**

\_\_\_ format errors…no page #, signatures etc

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