

**Organic –Chem. 221 Lab**

**Instructor name: Exp. date: --------------**

**Student Name:** ----------------------------- **Partner Name:** ---------------------------

**Student No:** ------------------------- **Partner No:** -------------------------

**Experiment No:** ---------------

**Experiment title:** -----------------------------------------------------------

**Submission date:** -----------

**Abstract: (including objectives, chemical reactions, methods used and main results)**

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**Chemicals:**

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**Glassware:**

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**Reactions and Mechanisms:**

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**Experimental Procedure:**

(Brief and in clear items and use the passive voice form)

| **Observation** | **Step** | **#** |
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**Data:**

Fill in the chart below with appropriate structures, and physical propertiesof reagents needed to complete the reaction. In addition calculate the moles and mass or volume of the reagents. Experimental results are to be filled in during completion of the experiment.

| **Name and structure** | | **FW** | **M.P./B.P. °C** | **Density (if needed)** | **Grams/ Milliliter** | | **Theoretical Moles** | **Equivalents** |
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| **Experimental Results** | | | | | | | | |
| **Product** | **Grams Recovered** | | **Theoretical Yield (g)** | | | **Theoretical M.P./B.P (°C)** | | |
|  |  | | **Experimental % Yield** | | | **Experimental M.P./B.P (°C)** | | |

**Calculation and results:**

(Step by step)

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**Discussion & Comments:**

Provide a summary of the experiment including observations, analysis of all data and results, and methods to correct errors or optimize the experiment.

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Questions:

**Q1.**

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**Q2.**

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**Q3.**

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**Good Luck**