

ORGANIC LAB REPORT TEMPLATE

Date: Day/Month/Year

TITLE OF THE EXPERIMENT

Name, Surname, No.

A. INTRODUCTION

In this part;

- A1** Give brief theoretical information and historical background of the experiment.
- A2** Write down the reaction equation and if necessary the reaction mechanism.
- A3** Draw graph, experimental set-up etc. about the experiment.

B. EXPERIMENTAL

In this part;

B1 Materials: Write the name and formula of the chemicals and their properties (density, flash point, toxicity, melting or boiling point etc.) that are used in the experiment. Also, note safety data of the chemicals (You can use MSDS of the chemicals). MSDS: Materials Safety Data Sheet.

B2 Experimental Procedure: Write down the experimental procedure that was used in the experiment. Moreover, draw the set-up (also name the glass-ware) and/or flow chart for the experiment.

C. RESULTS AND DISCUSSIONS

Report your results in this part. Discuss your experimental work, for example you can list the important points of the experiments. You can write alternative methods or techniques. You can discuss about the yield of the reaction, the purity of the compound that you obtained etc.

D. ANSWERS OF THE QUESTIONS

There are questions in your lab. book after every chapter. You must write your answers in this part.

E. REFERENCES

Give the references that you used during writing this report.

For example,

1. Iwata K, Handbook of Polyurethane Resins. **1987**, *The Nikkan Kogyo Shinbun Ltd. Tokyo, Japan*, Chs. 1 and 2.
2. Hocking, M. B., *Handbook of Chemical Technology and Pollution Control*. 2005.
3. Ghanem, B. S.; Hashem, M.; Harris, K. D. M.; Msayib, K. J.; Xu, M.; Budd, P. M.; Chaukura, N.; Book, D.; Tedds, S.; Walton, A.; McKeown, N. B., Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. *Macromolecules* **2010**, *43*, 5287-5294.

F. ATTACHMENTS

Please find out a related publication and write a brief abstract from this paper. Attach the abstract and the original manuscript to the report. (You can use ScienFinder, Web of Science, Scopus, Reaxy etc.)