

# LABORATORY NOTEBOOK (Pre-lab)

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## • OBJECTIVE

- Must clearly state:
  - What will be investigated
  - How it will be investigated
  - How it will be proven

## • TABLE OF PHYSICAL DATA

- In a single organized table, include the appropriate physical constants and hazard information for the following:
  - SOLIDS: *o*-nitroaniline and *p*-nitroaniline
  - LIQUIDS: acetone, ethyl acetate, and hexane.

## • REFERENCE TO PROCEDURE

- Include *complete reference* to lab manual, including:
  - full title
  - edition
  - authors
  - page numbers where actual procedure can be found

# LABORATORY NOTEBOOK (In-lab)

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## ○ DATA/CALCULATIONS

### ○ TLC:

- TLC diagram (s)
- Example  $R_f$  calculation

### ○ HPLC:

- HPLC sample solvent identity
- HPLC vial slot #s (2)

## ○ EXPERIMENTAL PROCEDURE

- In *paragraph form*, describe the procedure that you actually followed during the lab.
- Paragraph must be written in **PAST TENSE, PASSIVE VOICE**.
  - Include any volumes or weights of chemicals used during the experiment.
  - Include any mistakes, accidents, or observations if necessary.