

Chemistry Lab Manual

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Experiment 1: Titration

****Objective**:** To determine the strength of given HCl solution using standard NaOH solution.

****Apparatus**:** Burette, Pipette, Conical Flask, Indicator (Phenolphthalein).

****Procedure**:**

1. Rinse and fill the burette with NaOH.
2. Pipette out 20ml of HCl into conical flask.
3. Add 2 drops of indicator.
4. Titrate until pale pink color appears.

Experiment 2: Salt Analysis

****Objective**:** To identify the cation and anion in the given salt.

****Preliminary Tests**:**

- Color
- Odour
- Solubility

Safety Precautions

- Always wear lab coat and safety goggles.
- Handle acids with care.