

Experiment 5

Potentiometric Titration Report Sheet

Section number:

Group number:

Objective:

Method:

Unknown #	
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Results:

[illegible]

Results (Continued):

Graph Plotting:

1. Plot a typical titration curve on a graph paper. (X-axis is NaOH volume and Y-axis is the pH).

Attach the graph paper to the report sheet after this page.

2. Plot 1st derivative titration curve. (X-axis is NaOH average volume (V') and Y-axis is the $\Delta\text{pH}/\Delta V$).

Attach the graph paper to the report sheet after this page.

Results Summary:

The exact end point from the typical titration curve occurs at volume: -----ml

The exact end point from the 1st derivative titration curve occurs at average volume: -----ml

Calculations:

- Write down the balanced chemical equation:

- Determine the molarity of your acid sample, showing detailed calculations.

Experiment Report Workload Distribution Table

Coordinator for Current Experiment ¹ :		
Section ²	Student Name ³	Percentage of the Performed workload ⁴

¹Mention the name of the student/ group member who did arrange the work related to the current experiment group report/work management.

²Section or part of the group report

³Mention the name of student/the group member who took responsibility of the specified group report section

⁴Relative to the whole workload used to prepare the current group report.