

Report No. (4)

Determination The Molarity of HCl by titration with Na₂CO₃

Student Names: Section No:

The objective of the experiment:

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A :Titration using ph.ph

Reaction equation by using ph.ph:

.....

Results and calculations:

	Init.Read	Final Read	Volume (ml)	Average (ml)
Run 1				
Run 2				

1. Calculate the concentration of HCl:

B :Titration using M.O

Reaction equation by using M.O:

.....

Results and calculations:

	Init.Read	Final Read	Volume (ml)	Average (ml)
Run 1				
Run 2				

2. Calculate the concentration of HCl:

3. Calculate the Average concentration of HCl solution

4. Calculate the Strength of HCl Solution

- Calculate the Molecular weight of HCl: Cl = 35.5 H = 1