

# Chem 101 Laboratory Exercise #2

## Laboratory Notebook

Moles, Concentration, Acid-Base Reactions and Quantitative Analysis by Titration

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Lab Section: B12??

Quad: ??

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In-lab Notes:

### EXPERIMENT 1:

Experimental Procedure for standardising a solution of NaOH using a titration:

Initial Without NaOH Solution Volume: 200mL

Final with added NaOH Solution: 212mL

1<sup>st</sup>

KHP Amount:	560g
Burette Reading Initial:	41.5mL
Burette Reading Final:	26.2mL

2<sup>nd</sup>

KHP Amount:	536g
Burette Reading Initial:	42.8mL
Burette Reading Final:	29.5mL

3<sup>rd</sup>

KHP Amount:	583g
Burette Reading Initial:	44.6mL
Burette Reading Final:	32.5mL

### EXPERIMENT 2 (Vineger):

1<sup>st</sup>

Vineger Amount:	23mL
Burette Reading Initial:	30.1mL
Burette Reading Final:	10.5mL

1<sup>st</sup>

Vineger Amount:	23mL
Burette Reading Initial:	41.4mL

Burette Reading Final: 24.7mL

1<sup>st</sup>

Vineger Amount: 23mL

Burette Reading Initial: 24.7mL

Burette Reading Final: 5.1mL