Vinegar (1)

1. Prepare 0.1N NaOH in 100 ml.
2. Take 5ml of vinegar (1) and dilute to 250 ml with D.W.
3. Calculate %v/v CH3COOH in vinegar (1).

**0.1 HCl** **standardized**



10 ml NaOH

1 drops methyl red



10 ml of diluted vinegar (A.A)

2-3 drops ph.ph.

**NaOH(standardized)**

 Vinegar (2)

1. Prepare 0.1N NaOH in 100 ml.
2. Take 5ml of vinegar (2) and dilute to 250 ml with D.W.
3. Calculate %v/v CH3COOH in vinegar (2).

**0.1 HCl** **standardized**



10 ml NaOH

1 drops methyl red



10 ml of diluted vinegar (A.A)

2-3 drops ph.ph.

**NaOH(standardized)**

***Determination of Alkalinity of water sample (1)***

1. Prepare 0.1N HCl in 100ml D.W.

Sp.gr 1.19 %w/v 37%

 2-take 20ml of water sample (1) and titrate it with

 Standardized HCl.

**Na2CO3 (0.1N)**



 **HCl (10 ml))**

**2 drop methyl orange**



***Determination of Alkalinity of water sample (2)***

1. Prepare 0.1N HCl in 100ml D.W.

Sp.gr 1.19 %w/v 37%

 2-take 20ml of water sample (2) and titrate it with

 Standardized HCl.

**Na2CO3 (0.1N)**



 **HCl (10 ml))**

**2 drop methyl orange**



**determination of Cl- in unknown (1) using Mohr**

**method.**

1. Prepare 0.01N standard NaCl in 250ml D.W.
2. Titrate 10ml of unknown (1) with standardized AgNO3.

**AgNO3**



10 ml **NaCl**

2-3drops **K2CrO4**

**AgNO3standardized**



10 ml of unknown (1)

2-3 drops K2CrO4

**determination of Cl- in unknown (2) using Mohr**

**method.**

1. Prepare 0.01N standard NaCl in 250ml D.W.
2. Titrate 10ml of unknown (2) with standardized AgNO3.

**AgNO3**



10 ml **NaCl**

2-3drops **K2CrO4**

**AgNO3standardized**



10 ml of unknown (2)

2-3 drops K2CrO4