

WORK INSTRUCTION

Incoming Raw Chemical Testing : CFC Test (Titration)

Purposes/Function/Objective

- To determine alkaline percentage for former cleaning purpose

Materials/ Chemicals/Tools/Equipment

1. Potassium Iodide
2. Acetic Acid
3. 0.1M $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
4. 100ml Conical Flask
5. Pipette
6. Cylinder

Specification

$$\% \text{ of CFC} = V \times 1.42$$

which is ;
V = volume of titration

Form/s:

- LA/F04
- LA/F12

References :

- nil

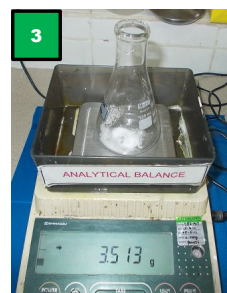
(Effective Date : 02/05/2011)

Procedures

Pipette 1.0mL of sample into conical flask



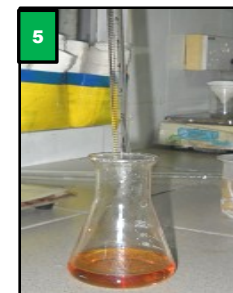
Add 100mL distilled water



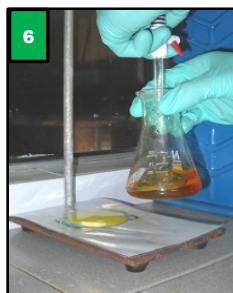
Add 3.5g Potassium Iodide into conical flask and mixed well



Pipette 25ml of mixing sample into conical flask



Add 5ml Acetic Acid into the 25ml sample



Titrated with 0.1M $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$ (Sodium Thiosulphate)



End point : Brown to colorless

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Calculation :

$$\% \text{ of CFC} = V \times 1.42$$

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