

WORK INSTRUCTION

Production Process Control Testing : Acid Test (Titration)

Purposes/Function/Objective

- To ensure the percent of acid is within standard for washing former

Materials/ Chemicals/Tools/Equipment

- 1) Phenolphthalein
- 2) 0.1M KOH
- 3) 50 ml Conical Flask
- 4) Pipette
- 5) Burette

Specification

$$\% \text{ of Acid} = \frac{v \times 0.63}{v_0}$$

Where is:-

v =Volume of KOH solution used,ml

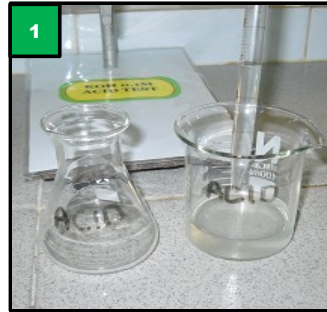
v₀ = volume of sample, ml

Form/s

- LA/F04

References :

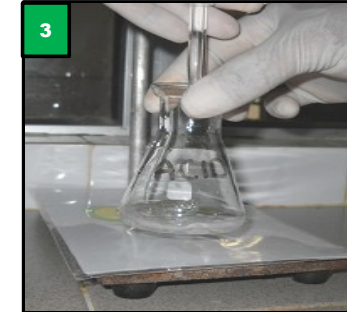
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Procedures

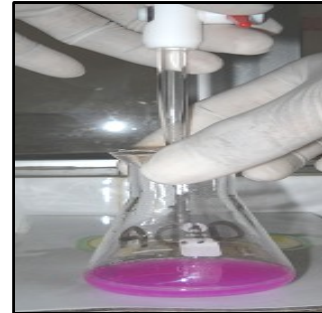
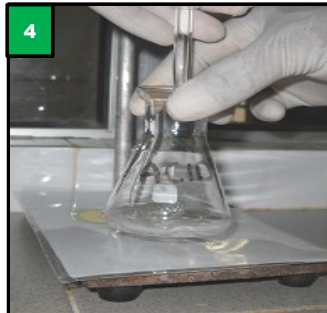
Pipette 5ml acid sample into conical flask.(v₀)



Add 3 drops of Phenolphthalein into 5ml sample.



Titrated with 0.1M KOH until a permanent pink color is obtained. (V)



5 Calculation :
Acid percentage
 $\frac{v \times 0.63}{v_0}$

End Point : Colorless to Pink

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