

WORK INSTRUCTION

Incoming Raw Chemical Testing : Ammonia Percentage (Titration)

Purposes/Function/Objective

-To determine ammonia percentage of incoming chemical

Materials/ Chemicals/Tools/Equipment

1. Methyl orange
2. 1.0M HCl
3. 250ml Conical Flask
4. Pipette
5. Measuring cylinder

Specification

- % of Ammonia is

$$V \times 0.944$$

which is,

V = volume of titration

Form/s:

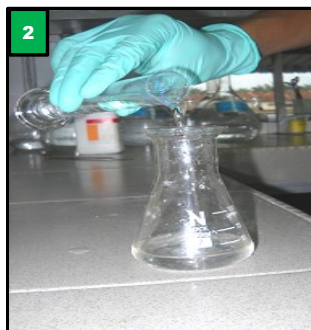
- LA/F04
- LA/F12

References :

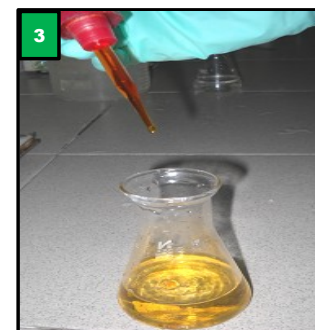
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Procedures

Pipette 2mL of sample into conical flask



Add 50mL of distilled water



Add 3 drops of Methyl Orange



Titrated with 1.0M HCl



End point : from yellow to pink

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Calculation :

$$\% \text{ of Ammonia} = V \times 0.944$$

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