

TOP GLOVE SDN. BHD

WORK INSTRUCTION

Production Process Control Testing : Calcium Carbonate (CaCO₃) Test (titration)

Purposes/Function/Objective

- to check powder inside glove and make sure the percentage are within standard

Materials/ Chemicals/

Tools/Equipment

- 1) Methyl Orange
- 2) 1.0M HCl
- 3) Analytical balance
- 4) 100ml conical flask

Specification

calculation:-

$$\% \text{CaCO}_3 = \frac{V \times 5.0}{W}$$

Where is:

V=Volume of HCl solution
required for titration,ml
W=Weigh of sample,g

Form

- LA/F04

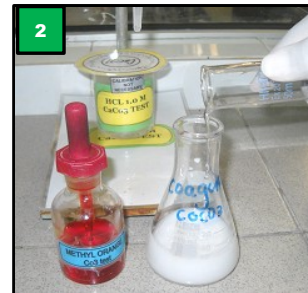
References :

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Procedures



Weigh 5.0g of well mixed sample into 100ml conical flask (W)



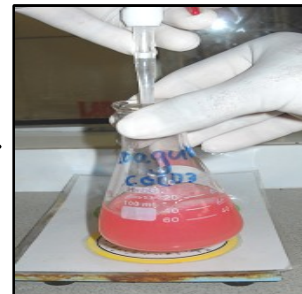
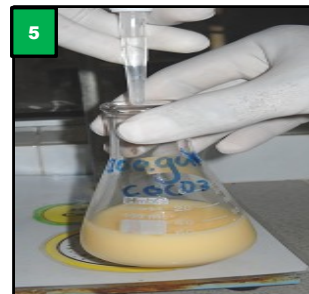
Add 50ml of DNS/Distilled water



Add 3 drops Methyl orange



Titrated the mixture with 1.0M HCl (V)



End Point: Yellowish to Pink

Calculation :

Calcium Carbonate percentage =

$$\frac{V \times 5.0}{W}$$

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