

WORK INSTRUCTION

Production Process Control Testing : Calcium Nitrate Test (Ca(NO₃)₂)Purposes/Function/Objective

- To ensure the percentage of Ca(NO₃)₂ is within standard to pick up glove

Materials/ Chemicals/Tools/Equipment

- 1) Buffer 10 solution
- 2) EBT indicator
- 3) 0.05M EDTA solution
- 4) 50ml Conical flask
- 5) Pipette
- 6) analytical balance

Specification

- calculations:-
 $\% \text{Ca(NO}_3)_2 =$

$$\frac{v \times 0.82}{w}$$

where is:-

v = Volume of EDTA solution
 required for titration, (ml)

w = Weigh of sample, (g)

Form/s

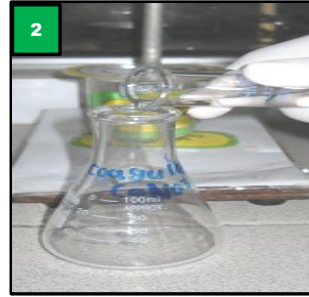
- LA/F04

References :

- nil

Procedures

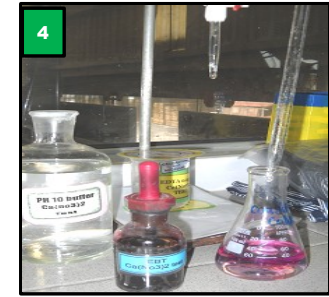
Weigh 0.5g sample into 50ml
 conical flask.(w)



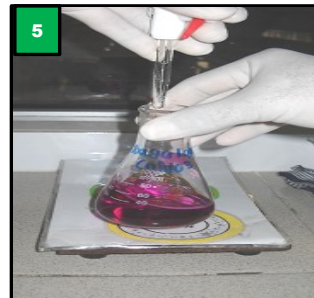
Add 50ml distill/DNS water



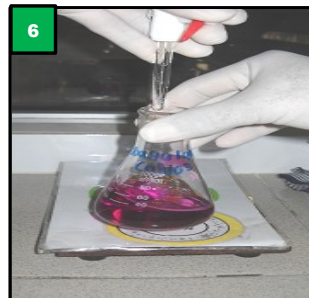
Add 3 drops EBT indicator



Add 1mL of buffer pH 10
 solution



Titrated with 0.05M of EDTA



End Point : Purple to Blue (v)

7 Calculation :
 Calcium Nitrate
 percentage.
 $\frac{v \times 0.82}{w}$

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