

WORK INSTRUCTION

Production Process Control Testing : Total Solid Content Test -Cornstarch

Purposes/Function/Objective

- To determine total solid content of cornstarch used in manufacturing process.

Materials/ Chemicals/Tools/Equipment

- 1) Analytical Balance.
- 2) Desiccators
- 3) Oven 150 °C

Specification

Calculation; % of TSC :-

$$\frac{C - A}{B} \times 100 \%$$

Where is ;

A = Weight of double ring Filter paper.

B = Weight of sample, g.

C = Weight of dried filter paper, g.

Form/s

- LA/F05

References :

- nil

Procedures

Weigh the filter paper.
(A)



Weigh 5.0 g cornstarch solution into beaker cover with filter paper. (B)



Dry the filter paper at 150°C for 45 minutes.



Cool down the filter paper in desiccator for 20 minutes.



Weigh the dried filter paper (C)

6 Calculation :
$$\frac{C - A}{B} \times 100 \%$$

Where :
A = Weight of double ring filter paper.
B = Weight of sample, g
C = Weight of dried filter paper, g.

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