

## WORK INSTRUCTION

## Production Process Control Testing : Total Solid Content Test - Latex

Purposes/Function/Objective

- To determine the total solid content in latex used in manufacturing process.

Materials/ Chemicals/Tools/Equipment

1. Natural Rubber - Sample
2. Nitrile Butadiene Rubber
3. Petri dish
4. Oven 150 °C
5. Cylinder
6. Spatula
7. Analytical balance
8. Timer

Specification

## TSC Calculation:

$$\% \text{ of TSC} = \frac{C-A}{B} \times 100\%$$

A : Weight of petri dish

B: Weight of latex sample,g

C : Mass of weighing petri dish+dried sample, g

Forms:

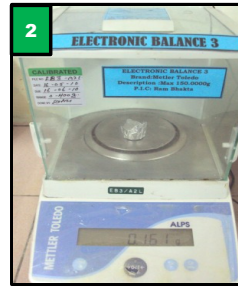
- LA/F05

References :

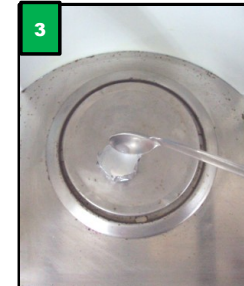
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Procedures

Tare analytical balance



Weigh aluminium foil and record as (A)



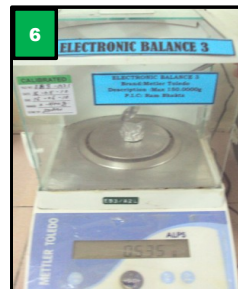
Weigh 0.5 g sample and record as (B)



Dry sample into oven (150°C) for 20 minutes



Place sample in desiccator for two minutes



Reweigh sample and record as (C)

**TSC Calculation:**

$$\% \text{ of TSC} = \frac{C-A}{B} \times 100\%$$

A : Weight of aluminium foil  
B: Weight of sample  
C : Weight after Drying  
Record in the inspection form

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