

WORK INSTRUCTION

Production Process Control Testing : Total Solid Content Test - Polymer

Purposes/Function/Objective

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

Materials/ Chemicals/Tools/Equipment

1. Natural Rubber
2. Nitrile butadiene rubber
3. Aluminium foil diameter 2.5cm
4. Oven 150°C
5. Spatula
6. Analytical balance
7. Timer

Specification

TSC Calculation:

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

A : Weight of aluminium foil

B: Weight of sample

C : Weight after Drying

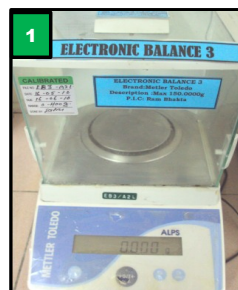
Record in the inspection form

Form/s:

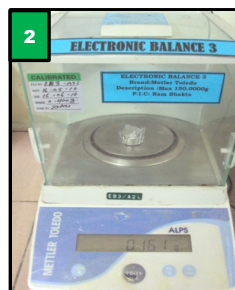
- LA/F05

References :

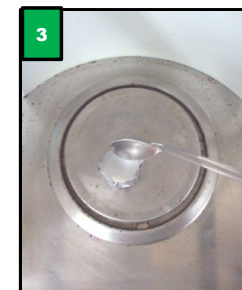
- nil

Procedures

Tare analytical balance



Weigh aluminium foil and record as (A)



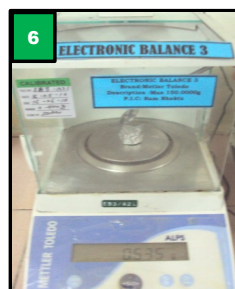
Weigh 0.5 g sample and record as (B)



Dry sample into oven (150°C) for 30 minutes



Place sample in desiccators 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

Prepared by:

Noor Azura Binti Azman

QA/MQC Asst Supervisor

Verified by:

Al-Fadilah Mohamad

QA Executive II

Approved by:

Noor Akilah Saidin

QA Deputy General Manager

(Effective Date : 02/05/2011)