WORK INSTRUCTION
Incoming Raw Latex Testing : Total Solid Content Test

Purposes/Function/Objective

- To determine the total solid content in 60% DRC HA / MA Concentrated Latex and Synthetic Latex)

Materials/ Chemicals/ Tools/Equipment

1. Natural Rubber - Sample
2. Nitrile Butadiene rubber - Sample
3. Aluminium foil diameter 2.5cm
4. Oven 150ºC
5. Spatula
6. Analytical balance
7. Timer

Specification:

TSC Calculation:

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

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

Form/s

- LA/F08

References :

- ISO 124

(Effective Date : 02/05/2011)

Procedures

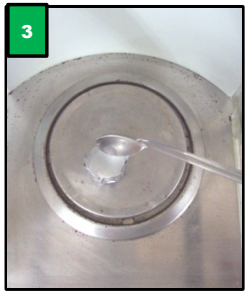
1

Tare analytical balance

2

Weigh aluminium foil and record as (A)

3



Weigh 0.5 g sample and record as (B)

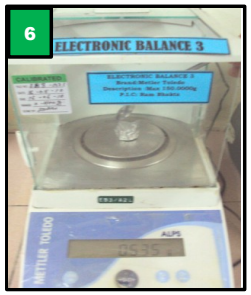
4

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

5

Place sample in desiccator for two minutes

6



Reweigh sample and record as (°C)

7

TSC Calculation:

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

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

Prepared by:	Verified by:	Approved by:
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TOP GLOVE SDN. BHD

WORK INSTRUCTION

Incoming Raw Latex Testing : Dry Rubber Content Test

Purposes/Function/Objective

- To determine the percentage of dry rubber content in 60% DRC HA / MA Concentrated Latex

Materials/ Chemicals/ Tools/Equipment

1. Natural Rubber - Sample
2. Petri dish
3. Oven 150 ^{0}C
4. Cylinder
5. Spatula
6. Analytical balance
7. Timer

Specification

DRC Calculation:

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

A : Weight of petri dish
B: Weight of latex sample,g
C : Mass of weighing petri dish+dried sample, g

Form/s

- LA/F08

References :

- ISO 126

(Effective Date : 02/05/2011)

Procedures

1

Weight petri dish and record as (A)

2

Weight approximately 5g latex into petri dish and record as (B)

3

Add 5ml distill water

4

Add 20ml 5% acetic acid

5

Put inside oven/water bath for 15 minutes. Take out after 15 minutes, press and wash the latex with running water

6

Dry the coagulumn sheet in a rented air oven at 150°C for 45 minutes.

7

Cool the dried coagulum in room temperature and weight and record as (C)

8 **DRC Calculation:**

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

A : Weight of petri dish
B: Weight of latex sample,g
C : Mass of weighing petri dish+dried sample, g.

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