

WORK INSTRUCTION **Finished Product Testing : Ash Content Test**

Purposes/Function/Objective

-To determine % ash content in glove.

**Materials/ Chemicals/
 Tools/Equipment**

- 1) Analytical balance
- 2) Scissor
- 3) Furnaces oven
- 4) Aluminium foil
- 5) Crucible

Specification

Calculation:-

Where is:

W1= glove weigh (small pieces

W2= weight of crucible + glove sample before heated.

W3= weight of crucible + glove sample after heated.

(Review step no 5, after switch off the oven, the heat temp. automatically will cool down.)

Form/s:

LA/F18

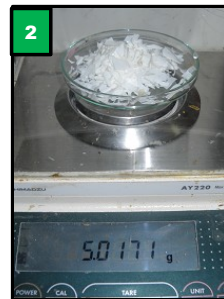
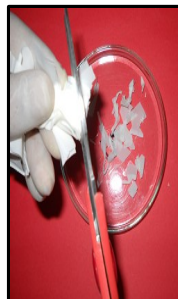
References :

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(Effective Date : 02/05/2011)

Procedures

Cut glove into small pieces



Weigh sample 5.0g (W1)



Wrap 5.0g sample with aluminum foil and put into the crucible (W3)



Put the crucible into furnace oven with temp setting at 550°C



**1)Close oven cover and wait until temperature drop to 200°C.
 2)After temp.is at 200 oven and wait another 4 or 5 hour before take out the sample**

6
Take out the sample after 4 or 5 hour and weigh the sample again (W3)

7
Calculation :
% of Ash Content = $\frac{W1 - [W2-W3] \times 100}{W1}$

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