



HOLISTA TRANZWORLD PRIVATE LIMITED

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Doc No : HTPL-SOP03

Food Safety and Quality Management System

Issue/Rev : 1.0

Lab Test Procedure SOP

Date : 19.09.2022

3. Determination of Moisture

Preparation of Sample:

Prepare the test sample.

Apparatus:

1. Suitable weighing balance
2. Electrical oven equipped with thermostat.
3. Desiccator with an efficient desiccant.

Procedure:

1. Weigh accurately about 5 g of the sample in a dried and weighed aluminium container provided with a slightly fitting lid.
2. Heat the uncovered dish with its lid in an electrical oven at $100 \pm 2^{\circ}\text{C}$ for 2 hours.
3. Remove the container from the oven and immediately cover it.
4. Cool the container in the desiccators and weigh.
5. Repeat this process of heating for 1 hour, cooling and weighing till the difference in weight between two successive weighing is less than 1 mg.

Calculation:

$$\text{Moisture content, percent by weight} = \frac{100 (W_1 - W_2)}{W_1 - W}$$

Where,

W₁ is the weight in g of the container with the sample before drying.

W₂ is the weight in g of the container with the sample after drying.

W is the weight in g of the empty container.

References:

MS 1381 : 1995 Malaysian Standard.

Prepared by

Approved by