



DRAFT TANZANIA STANDARD

Honey - Determination of ash

DRAFT STANDARD FOR PUBLIC COMMENTS ONLY

TANZANIA BUREAU OF STANDARDS

0. Foreword

This draft Tanzania standard prescribes the method for determination of ash in Honey.

In the preparation of this draft Tanzania standard assistance was derived from AOAC 920.181 Ash of honey.

In reporting the result of a test or analysis made in accordance with this standard, if the final value observed or calculated, is to be rounded off, it shall be done in accordance with TZS 4

1. Scope

This standard prescribes method for determination of Ash in honey

2. Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

TZS 4, rounding off numerical values

3. Apparatus

3.1. platinum or silica dish

3.2. An infra-red lamp

3.3. muffle furnace

3.4. Analytical balance

4. Procedure

Ignition of the honey

4.1. Honey (5-10 g) is weighed accurately into an ignited and pre-weighed platinum or silica dish and gently heated in a muffle furnace until the sample is black and dry and there is no danger of loss by foaming and overflowing.

4.2. An infra-red lamp may also be used to char the sample before inserting it into the furnace. If necessary, a few drops of olive oil may be added to prevent frothing.

4.3. The sample is then ignited to 600°C until constant weight.

4.4. The sample is cooled before weighing.

5. Calculation

$$X = \frac{W_3 - W_1}{W_2 - W_1} \times 100$$

Where;

X = percentage total ash

W₁ = weight of empty dish

W₂ = weight of dish + sample

W₃ = weight of dish and sample after ignition

6. Expression of results

The result is expressed as percent ash (m/m).

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