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Rice — Determination of biometric characteristics of kernels

Riz — Détermination des caractéristiques biométriques des grains

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Contents

Page

Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Principle **1**
5 Apparatus **1**
6 Sampling **2**
7 Procedure **2**
7.1 Preparation of the test sample 2
7.2 Determination 2
8 Calculation and expression of results **3**
8.1 Calculation 3
8.2 Determination of length/width ratio 3
8.3 Expression of results 3
9 Precision **3**
9.1 Interlaboratory test 3
9.2 Repeatability 3
9.3 Reproducibility 4
10 Test report **4**
Annex A (normative) **Kernel measurements** **5**
Annex B (informative) **Results of the interlaboratory test** **6**
Bibliography **8**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 4, *Cereals and pulses*.

This second edition cancels and replaces the first edition (ISO 11746:2012), which has been technically revised. It also incorporates the Amendment ISO 11746:2012/Amd 1:2017. The main changes compared with the previous edition are as follows:

— the preparation of the test sample has been modified;

— a determination of length/width ratio has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Rice — Determination of biometric characteristics of kernels

1 Scope

This document specifies a method for the determination of the biometric characteristics of husked or milled rice kernels.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 5725-1, *Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions*

ISO 7301, *Rice — Specification*

ISO 24333, *Cereals and cereal products — Sampling*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5725-1, ISO 7301, ISO 24333 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
biometric characteristics
length, width and thickness of the kernel measured along the three Cartesian axes

Note 1 to entry: See Figure A.1.

4 Principle

Manual selection of kernels and measurement of their biometric characteristics with a micrometer.

5 Apparatus

Usual laboratory apparatus and, in particular, the following.

5.1 Sample divider, conical sampler or multiple-slot sampler with a distribution system.

NOTE Some sample dividers are described in ISO 24333.

5.2 Tray, or equivalent device, coloured in contrast with the colour of the rice to be evaluated.

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