



SLOVENSKI STANDARD SIST EN ISO 6647-1:2007

01-november-2007

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Rice - Determination of amylose content - Part 1: Reference method (ISO 6647-1:2007)

Reis - Bestimmung des Amylosegehalts - Teil 1: Referenzverfahren (ISO 6647-1:2007)

Riz - Détermination de la teneur en amylose - Partie 1: Méthode de référence (ISO 6647-1:2007)

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Ta slovenski standard je istoveten z: **EN ISO 6647-1:2007**

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ICS:

67.060 žãÄ d[} ã^Á Á| |ã ç| áã Cereals, pulses and derived products
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ICS 67.060

English Version

**Rice - Determination of amylose content - Part 1: Reference
method (ISO 6647-1:2007)**

Riz - Détermination de la teneur en amylose - Partie 1:
Méthode de référence (ISO 6647-1:2007)

Reis - Bestimmung des Amylosegehalts - Teil 1:
Referenzverfahren (ISO 6647-1:2007)

This European Standard was approved by CEN on 27 August 2007.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Page

Foreword.....3

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Foreword

This document (EN ISO 6647-1:2007) has been prepared by Technical Committee ISO/TC 34 "Agricultural food products" in collaboration with Technical Committee CEN/TC 338 "Cereal and cereal products", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2008, and conflicting national standards shall be withdrawn at the latest by March 2008.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 6647-1:2007 has been approved by CEN as a EN ISO 6647-1:2007 without any modification.

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**Rice — Determination of amylose
content —**

**Part 1:
Reference method**

Riz — Détermination de la teneur en amylose —

Partie 1: Méthode de référence

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Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle.....	2
5 Reagents	2
6 Apparatus	3
7 Sampling.....	4
8 Procedure	4
8.1 Preparation of test sample.....	4
8.2 Test portion and preparation of the test solution	4
8.3 Preparation of the blank solution.....	4
8.4 Preparation of the calibration graph.....	4
8.5 Determination	5
9 Expression of results	5
10 Precision.....	6
10.1 Interlaboratory test	6
10.2 Repeatability.....	6
10.3 Reproducibility.....	6
11 Test report	6
Annex A (informative) Determination of the quality of the potato amylose standard.....	7
Annex B (informative) Example of a flow injection analyser (FIA) for the determination of amylose.....	9
Annex C (informative) Results of an interlaboratory test.....	10
Bibliography	12

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6647-1 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 4, *Cereals and pulses*.

This edition of ISO 6647-1, together with ISO 6647-2:2007, cancels and replaces ISO 6647:1987, which has been technically revised.

ISO 6647 consists of the following parts, under the general title *Rice — Determination of amylose content*:

- *Part 1: Reference method*
- *Part 2: Routine methods*

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Rice — Determination of amylose content —

Part 1: Reference method

1 Scope

This part of ISO 6647 specifies a reference method for the determination of the amylose content of milled rice, non-parboiled. The method is applicable to rice with an amylose mass fraction higher than 5 %.

This part of ISO 6647 can also be used for husked rice, maize, millet and other cereals if the extension of this scope has been validated by the user.

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.

ISO 712, *Cereals and cereal products — Determination of moisture content — Routine reference method*
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[https://standards.iteh.ai/catalog/standards/sist/36b85482-d566-47d4-9ca5-](https://standards.iteh.ai/catalog/standards/sist/36b85482-d566-47d4-9ca5-d71059d7d206/sist-en-iso-6647-1-2007)

ISO 7301, *Rice — Specification* d71059d7d206/sist-en-iso-6647-1-2007

ISO 8466-1, *Water quality — Calibration and evaluation of analytical methods and estimation of performance characteristics — Part 1: Statistical evaluation of the linear calibration function*

ISO 15914, *Animal feeding stuffs — Enzymatic determination of total starch content*

3 Terms and definitions

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

3.1

amylose

polysaccharide constituent of starch, the macromolecules of which have glucose units linked in a predominantly linear structure

3.2

amylopectin

polysaccharide constituent of starch, the macromolecules of which have glucose units linked in a branched structure