Cereals - Determination of bulk density, called mass per hectolitre - Part 2: Method of traceability for measuring instruments through reference to the international a preview developed of the standard instrument



FESTI STANDARDI FESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 7971-2:2010 sisaldab Euroopa standardi EN ISO 7971-2:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.02.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.08.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 7971-2:2010 consists of the English text of the European standard EN ISO 7971-2:2009.

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ICS 67.060

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EUROPEAN STANDARD

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English Version

Cereals - Determination of bulk density, called mass per hectolitre - Part 2: Method of traceability for measuring instruments through reference to the international standard instrument (ISO 7971-2:2009)

Céréales - Détermination de la masse volumique, dite masse à l'hectolitre - Partie 2: Méthode de raccordement des instruments de mesure à l'étalon international (ISO 7971-2:2009) Getreide - Bestimmung der Schüttdichte, sogenannte Masse je Hektoliter - Teil 2: Verfahren zur Rückverfolgbarkeit von Messgeräten mittels Referenz auf internationale Normalgeräte (ISO 7971-2:2009)

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 7971-2:2009) has been prepared by Technical Committee CEN/TC 338 "Cereal and cereal products", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 34 "Food products".

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of an identical text or by endorsement, at the latest by February 2010, and conflicting national standards shall be withdrawn at the latest by February 2010.

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Cereals — Determination of bulk density, called mass per hectolitre —

Part 2:

Method of traceability for measuring instruments through reference to the international standard instrument

1 Scope

This part of ISO 7971 specifies a test method for ensuring the traceability of mass per hectolitre measuring instruments through reference to standard measurement instruments. The mass per hectolitre or bulk density is of commercial importance for grain cereals. Several types of instruments with varying performances exist for measuring it.

This part of ISO 7971 also specifies the performances required of national standards instruments, secondary standards instruments, and measuring instruments used in laboratories or in collection or storage silos.

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 — Reference method

ISO 7971-1, Cereals — Determination of bulk density, called "mass per hectolitre" — Part 1: Reference method

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

bulk density

"mass per hectolitre"

⟨cereals⟩ ratio of the mass of a cereal to the volume it occupies after being poured into a container under well-defined conditions

NOTE Bulk density is expressed in kilograms per hectolitre of grains as received.

[ISO 7971-1:2009]

3.2

traceability

 $\langle cereals \rangle$ establishment of a relationship between the usual measuring instrument and the international standard instrument via a chain

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