

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

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 7971-1:2010 sisaldab Euroopa standardi EN ISO 7971-1:2009 ingliskeelset teksti.

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ICS 67.060

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English Version

Cereals - Determination of bulk density, called mass per hectolitre - Part 1: Reference method (ISO 7971-1:2009)

Céréales - Détermination de la masse volumique, dite masse à l'hectolitre - Partie 1: Méthode de référence (ISO 7971-1:2009)

Getreide - Bestimmung der Schüttdichte, sogenannte Masse je Hektoliter - Teil 1: Referenzverfahren (ISO 7971-1:2009)

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Foreword

This document (EN ISO 7971-1:2009) 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of an identical text or by endorsement, at the latest by February 2010, and conflicting national standards shall be withdrawn at the latest by February 2010.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 1: Reference method

1 Scope

This part of ISO 7971 specifies the reference method for the determination of bulk density, called “mass per hectolitre”, of cereals as grain.

NOTE Several routine methods are used in different countries. A routine method for the determination of bulk density, called “mass per hectolitre”, is given in ISO 7971-3.

2 Terms and definitions

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

2.1

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 1 Bulk density is expressed in kilograms per hectolitre of grain as received.

NOTE 2 The bulk density, as defined in this part of ISO 7971, is different from “packing density” or “intrinsic density” of cereals.

3 Principle

A sample is poured in a controlled manner from a hopper into a 20 l container, which is then weighed.

4 Requirements for apparatus

4.1 General

The apparatus used shall comply with the following requirements, which correspond to those in OIML R 15 [2], and shall be similar to that shown in Figure 1.