

**SLOVENSKI STANDARD
SIST EN ISO 17827-2:2016****01-julij-2016****Nadomešča:
SIST EN 15149-2:2011**

Trdna biogoriva - Določevanje porazdelitve velikosti delcev za nekomprimirana goriva - 2. del: Metoda z vibracijskim sitom z odprtini 3,15 mm in manj (ISO 17827-2:2016)

Solid biofuels - Determination of particle size distribution for uncompressed fuel- Part 2: Vibrating screen method using sieves with aperture of 3,15 mm and below (ISO 17827-2:2016)

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Biogene Festbrennstoffe - Bestimmung der Partikelgrößenverteilung für unkomprimierte Brennstoffe - Teil 2: Vertikales Rüttelsiebverfahren mit Sieben zur Klassifizierung von Proben mit einer Höchst-Sieb-Lochgröße von 3,15 mm und darunter (ISO 17827-2:2016)

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Biocombustibles solides - Détermination de la distribution granulométrique des combustibles non comprimés - Partie 2: Méthode au tamis vibrant d'ouverture de maille inférieure ou égale à 3,15 mm (ISO 17827-2:2016)

Ta slovenski standard je istoveten z: EN ISO 17827-2:2016**ICS:**

75.160.40 Biogoriva Biofuels

SIST EN ISO 17827-2:2016 en,fr,de

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EUROPEAN STANDARD

EN ISO 17827-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 15149-2:2010

English Version

**Solid biofuels - Determination of particle size distribution
for uncompressed fuels - Part 2: Vibrating screen method
using sieves with aperture of 3,15 mm and below (ISO
17827-2:2016)**

Biocombustibles solides - Détermination de la
distribution granulométrique des combustibles non
comprimés - Partie 2: Méthode au tamis vibrant
d'ouverture de maille inférieure ou égale à 3,15 mm
(ISO 17827-2:2016)

Biogene Festbrennstoffe - Bestimmung der
Partikelgrößenverteilung für unkomprimierte
Brennstoffe - Teil 2: Vertikales Rüttelsiebverfahren mit
Sieben mit einer Lochgröße von 3,15 mm und darunter
(ISO 17827-2:2016)

This European Standard was approved by CEN on 30 April 2016.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 17827-2:2016) has been prepared by Technical Committee ISO/TC 238 "Solid biofuels" in collaboration with Technical Committee CEN/TC 335 "Solid biofuels" the secretariat of which is held by SIS.

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 November 2016, and conflicting national standards shall be withdrawn at the latest by November 2016.

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

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**Solid biofuels — Determination
of particle size distribution for
uncompressed fuels —****Part 2:
Vibrating screen method using sieves
with aperture of 3,15 mm and below**

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*Biocombustibles solides — Détermination de la distribution
granulométrique des combustibles non comprimés —*

*Partie 2: Méthode au tamis vibrant d'ouverture de maille inférieure
ou égale à 3,15 mm*

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
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ISO 17827-2:2016(E)

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.

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 on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 238, *Solid biofuels*.

ISO 17827 consists of the following parts, under the general title *Solid biofuels — Determination of particle size distribution for uncompressed fuels*: log/standards/sist/4d49d9b6-f7dc-4205-973d-977ed7692ff4/sist-en-iso-17827-2-2016

- Part 1: *Oscillating screen method using sieves with apertures of 3,15 mm and above*
- Part 2: *Vibrating screen method using sieves with apertures of 3,15 mm and below*

Part 2 can also be used for round hole sieves with apertures of 4,0 and 5,6 mm.

Solid biofuels — Determination of particle size distribution for uncompressed fuels —

Part 2:

Vibrating screen method using sieves with aperture of 3,15 mm and below

1 Scope

This part of ISO 17827 specifies a method for the determination of the size distribution of particulate biofuels by the vibrating screen method. The method described is meant for particulate biofuels only, namely, materials that either have been reduced in size, such as most wood fuels, or are physically in a particulate form. This part of ISO 17827 applies to particulate uncompressed fuels with a nominal top size of 3,15 mm and below (e.g. sawdust).

2 Normative references

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

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 3310-2, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*

ISO 14780¹⁾, *Solid biofuels — Sample preparation*

ISO 16559, *Solid biofuels — Terminology, definitions and descriptions*

ISO 17225-1, *Solid biofuels — Fuel specifications and classes — Part 1: General requirements*

ISO 18134-1, *Solid biofuels — Determination of moisture content — Oven dry method — Part 1: Total moisture — Reference method*

ISO 18134-2, *Solid biofuels — Determination of moisture content — Oven dry method — Part 2: Total moisture — Simplified method*

ISO 18135¹⁾, *Solid biofuels — Sampling*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 16559 apply.

4 Principle

A laboratory sample is subjected to sieving through vibrating sieves, sorting the particles in decreasing size classes by mechanical means.

NOTE Manual sieving is excluded due to the fact that small sieve holes could easily be clogged by particles.

1) To be published.