



SLOVENSKI STANDARD

SIST EN ISO 5370:2023

01-april-2023

Trdna biogoriva - Določanje vsebnosti drobnih snovi v peletih (ISO 5370:2023)

Solid biofuels - Determination of fines content in pellets (ISO 5370:2023)

Biogene Festbrennstoffe - Bestimmung des Gehaltes an Feingut in Pellets (ISO 5370:2023)

Biocombustibles solides - Détermination de la teneur en fines des granulés (ISO 5370:2023)

Ta slovenski standard je istoveten z: **EN ISO 5370:2023**

ICS:

75.160.40 Biogoriva

Biofuels

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en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5370

February 2023

ICS 27.190; 75.160.40

English Version

Solid biofuels - Determination of fines content in pellets
(ISO 5370:2023)

Biocombustibles solides - Détermination de la teneur
en fines des granulés (ISO 5370:2023)

Biogene Festbrennstoffe - Bestimmung des Gehaltes an
Feingut in Pellets (ISO 5370:2023)

This European Standard was approved by CEN on 17 December 2022.

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European foreword

This document (EN ISO 5370:2023) 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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

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Endorsement notice

The text of ISO 5370:2023 has been approved by CEN as EN ISO 5370:2023 without any modification.

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INTERNATIONAL STANDARD

**ISO
5370**

First edition
2023-01

Solid biofuels — Determination of fines content in pellets

*Biocombustibles solides — Détermination de la teneur en fines des
granulés*

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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 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 238, *Solid biofuels*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 335, *Solid biofuels*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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.

Introduction

This document specifies a method for manual determination of the fines content in pellets. The fines content is defined as the percentage in mass of material below 3,15 mm in size (measured with a round hole perforated metal plate sieve according to ISO 3310-2). The fines content is an important parameter since excessive amounts of fines in consignments of pellets can cause problems either in transportation systems or during combustion, or both. It also can cause health problems if the dust is inhaled and it increases the risk of dust explosions. Many of these problems are connected to the tendency of stratification of fines caused by any movement of the pellets.

[Annex A](#) describes a procedure for determining the amount of coarse pellet fines ($3,15 \text{ mm} \leq \text{CPF} < 5,6 \text{ mm}$). The determination of the amounts of smaller fines particles, for example the fractions $< 1 \text{ mm}$ and $< 0,5 \text{ mm}$, is given in [Annex B](#).

NOTE 1 The upper limit of 5,6 mm for CPF was chosen because a sieve with an aperture diameter of 5,6 mm is the standard commercial sieve with the next-smallest aperture diameter after 6 mm, which corresponds to the diameter of the standard pellet size. When conducting the procedure for CPF as outlined in [Annex A](#), additional CPF are created as a result of the sieving procedure. Test results are therefore indicative and best used for comparative purposes rather than treated as CPF originally present in the sample.

NOTE 2 This document will replace ISO 18846.

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