

STN	Tuhé biopalivá Stanovenie obsahu vlhkosti Časť 3: Vlhkosť v analytickej vzorke na všeobecný rozbor (ISO 18134-3: 2023)	STN EN ISO 18134-3 65 7406
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Solid biofuels - Determination of moisture content - Part 3: Moisture in general analysis sample (ISO 18134-3:2023)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/23

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EN ISO 18134-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2023

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Supersedes EN ISO 18134-3:2015

English Version

**Solid biofuels - Determination of moisture content - Part 3:
Moisture in general analysis sample (ISO 18134-3:2023)**

Biocombustibles solides - Dosage de la teneur en
humidité - Partie 3: Humidité de l'échantillon pour
analyse générale (ISO 18134-3:2023)

Biogene Festbrennstoffe - Bestimmung des
Wassergehaltes - Teil 3: Wassergehalt in allgemeinen
Analysenproben (ISO 18134-3:2023)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN ISO 18134-3:2023 (E)

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European foreword

This document (EN ISO 18134-3:2023) 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of an identical text or by endorsement, at the latest by December 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.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.

This document supersedes EN ISO 18134-3:2015.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 18134-3:2023 has been approved by CEN as EN ISO 18134-3:2023 without any modification.

INTERNATIONAL
STANDARD

ISO
18134-3

Second edition
2023-06

**Solid biofuels — Determination of
moisture content —**

Part 3:
Moisture in general analysis sample

*Biocombustibles solides — Dosage de la teneur en humidité —
Partie 3: Humidité de l'échantillon pour analyse générale*



Reference number
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ISO 18134-3:2023(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 document 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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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).

This second edition cancels and replaces the first edition (ISO 18134-3:2015), which has been technically revised.

The main changes are as follows:

- [Clause 6](#): statement added warning against loss or gain of moisture during sample preparation;
- references updated;
- minor editorial corrections.

A list of all parts in the ISO 18134 series can be found on the ISO website.

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.

Solid biofuels — Determination of moisture content —

Part 3: Moisture in general analysis sample

1 Scope

This document describes the method of determining the moisture content in the general analysis sample by drying in an oven. The method described in this document is applicable to all solid biofuels. The moisture content of solid biofuels (as received) is always reported based on the total mass of the test sample (wet basis).

Since biofuels in small particle size are very hygroscopic, their moisture content will change with humidity in the atmosphere and, therefore, the moisture of the general analysis sample is determined simultaneously with the determination of other properties being measured (e.g. calorific value, volatile matter, metals, etc.).

NOTE Biomass materials can contain small amounts of volatile organic compounds (VOC) which can evaporate when determining moisture content by oven drying (see References [1] and [2]). The release of such compounds is quite small relative to the overall moisture content as determined by this method and is disregarded in this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 11722, *Solid mineral fuels — Hard coal — Determination of moisture in the general analysis test sample by drying in nitrogen*

ISO 14780, *Solid biofuels — Sample preparation*

ISO 16559, *Solid biofuels — Vocabulary*

ISO 18135, *Solid Biofuels — Sampling*

ISO 21945, *Solid biofuels — Simplified sampling method for small scale applications*

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