

SLOVENSKI STANDARD SIST EN ISO 18123:2023

01-junij-2023

Nadomešča:

SIST EN ISO 18123:2016

Trdna biogoriva - Določevanje vsebnosti hlapnih snovi (ISO 18123:2023)

Solid biofuels - Determination of volatile matter (ISO 18123:2023)

Biogene Festbrennstoffe - Bestimmung flüchtiger Bestandteile (ISO 18123:2023)

Biocombustibles solides - Détermination des matières volatiles (ISO 18123:2023)

Ta slovenski standard je istoveten z: EN ISO 18123:2023

ICS:

75.160.40 Biogoriva Biofuels

SIST EN ISO 18123:2023 en,fr,de

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https://standards.iteh.ai/catalog/standards/sist/057d9b96-2db8-4de2-9fa3f6a598ef7b53/sist-en-iso-18123-2023 EUROPEAN STANDARD NORME EUROPÉENNE **EN ISO 18123**

EUROPÄISCHE NORM

April 2023

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Supersedes EN ISO 18123:2015

English Version

Solid biofuels - Determination of volatile matter (ISO 18123:2023)

Biocombustibles solides - Détermination des matières volatiles (ISO 18123:2023)

Biogene Festbrennstoffe - Bestimmung flüchtiger Bestandteile (ISO 18123:2023)

This European Standard was approved by CEN on 18 February 2023.

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

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EN ISO 18123:2023 (E)

Contents	Page	
European foreword	3	

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SIST EN ISO 18123:2023
https://standards.iteh.ai/catalog/standards/sist/057d9b96-2db8-4de2-9fa3f6a598ef7b53/sist-en-iso-18123-2023

European foreword

This document (EN ISO 18123:2023) 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 October 2023, and conflicting national standards shall be withdrawn at the latest by October 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 18123:2015.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 18123:2023 has been approved by CEN as EN ISO 18123:2023 without any modification.

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INTERNATIONAL STANDARD

ISO 18123

Second edition 2023-03

Solid biofuels — Determination of volatile matter

Biocombustibles solides – Détermination des matières volatiles

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SIST EN ISO 18123:2023 https://standards.iteh.ai/catalog/standards/sist/057d9b96-2db8-4de2-9fa3 f6a598ef7b53/sist-en-iso-18123-2023



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Contents		Page
Fore	eword	iv
Intr	oduction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	
4	Principle	1
5	Apparatus	1
J	5.1 Furnace	
	5.4 Crucible stand	5 6
6	Sample preparation 6.1 General 6.2 Sample size 6.3 Sample conditioning	6 6
7	Procedure 7.1 General 7.2 Conditioning of crucibles 7.3 Charging of crucibles 7.4 Volatilization of test portion	6 6 6
8	Calculation SIST EN ISO 18423-2023	
9	Performance characteristics log/standards/sist/057d9b96-2db8-4de2-9fa3- 9.1 Repeatability f6a598cf7h53/sist-en-iso-18123-2023 9.2 Reproducibility	7
10	Test report	
Bibl	iography	9

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).

This second edition cancels and replaces the first edition (ISO 18123:2015), which has been technically revised.

The main changes are as follows:

- ISO 21945 added to Clause 2;
- specification that the entire procedure shall be done in duplicate;
- EN standards replaced by ISO documents;
- minor editorial corrections.

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

Volatile matter is determined as the loss in mass, less that due to moisture, when a solid biofuel is heated out of contact with air under standardised conditions. The test is empirical and, in order to ensure reproducible results, it is essential that the rate of heating, the final temperature and the overall duration of the test are carefully controlled. It is also essential to exclude air from the solid biofuel during heating to prevent oxidation. The fit of the crucible lid is therefore critical. The moisture content of the general analysis sample is determined at the same time as the volatile matter so that the appropriate correction can be made.

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SIST EN ISO 18123:2023
https://standards.iteh.ai/catalog/standards/sist/057d9b96-2db8-4de2-9fa3f6a598ef7b53/sist-en-iso-18123-2023