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NSAI Standards

Irish Standard
I.S. EN ISO 14780:2017&A1:2019

# Solid biofuels - Sample preparation (ISO 14780:2017)

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**I.S. EN ISO 14780:2017&A1:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

EN ISO 14780:2017/A1:2019

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NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 14780:2017/A1

October 2019

ICS 27.190; 75.160.40

English Version

# Solid biofuels - Sample preparation - Amendment 1 (ISO 14780:2017/Amd 1:2019)

Biocombustibles solides - Préparation des échantillons - Amendement 1 (ISO 14780:2017/Amd 1:2019)

Biogene Festbrennstoffe - Probenherstellung - Änderung 1 (ISO 14780:2017/Amd 1:2019)

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NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 14780

May 2017

ICS 75.160.40; 27.190

Supersedes EN 14780:2011

English Version

# Solid biofuels - Sample preparation (ISO 14780:2017)

Biocombustibles solides - Préparation des échantillons (ISO 14780:2017)

Biogene Festbrennstoffe - Probenherstellung (ISO 14780:2017)

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INTERNATIONAL STANDARD

**ISO 14780**

First edition
2017-04

# Solid biofuels — Sample preparation

*Biocombustibles solides — Préparation des échantillons*

Reference number
ISO 14780:2017(E)

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# Foreword

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This document was prepared by Technical Committee ISO/TC 238, *Solid biofuels*.


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# Introduction

Biofuels are a major source of renewable energy. International standards are needed for production, trade and use of solid biofuels. For sampling of solid biofuels, see ISO 18135.

This document can be used in regard to production, controlling and analysis of solid biofuels in general.

This document was developed with significant content from EN 14780:2011.

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# Solid biofuels — Sample preparation

## 1 Scope

This document defines methods for reducing combined samples (or increments) to laboratory samples and laboratory samples to sub-samples and general analysis samples and is applicable to solid biofuels.

The methods defined in this document can be used for sample preparation, for example, when the samples are to be tested for calorific value, moisture content, ash content, bulk density, durability, particle size distribution, ash melting behaviour, chemical composition, and impurities.

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

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

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 procedure*

ISO 18135, *Solid Biofuels — Sampling*

## 3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

**3.1**
**nominal top size**
aperture size of the sieve through which at least 95 % by mass of the material passes

Note 1 to entry: For pellets (and other long materials), the diameter is used to determine the nominal top size.

Note 2 to entry: Includes additional information not found in ISO 16559.

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