ICS 27.190 SLOVENSKÁ TECHNICKÁ NORMA November 2017

STN	**Tuhé biopalivá Stanovenie obsahu ťažkého cudzorodého materiálu s veľkosťou viac ako 3,15 mm (ISO 19743: 2017)**	**STN EN ISO 19743** 65 7424

Solid biofuels - Determination of content of heavy extraneous materials larger than 3,15 mm (ISO 19743:2017)

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. 10/17

Obsahuje: EN ISO 19743:2017, ISO 19743:2017

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19743

May 2017

ICS 27.190; 75.160.40

English Version

Solid biofuels - Determination of content of heavy extraneous materials larger than 3,15 mm (ISO 19743:2017)

Biocombustibles solides - Dosage de la teneur en matériaux lourds exogènes de dimension supérieure à 3,15 mm (ISO 19743:2017)

Biogene Festbrennstoffe - Bestimmung des Gehaltes an schweren Fremdstoffen mit einer Partikelgröße von mehr als 3,15 mm (ISO 19743:2017)

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

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European foreword

This document (EN ISO 19743:2017) 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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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Endorsement notice

The text of ISO 19743:2017 has been approved by CEN as EN ISO 19743:2017 without any modification.

INTERNATIONAL STANDARD

ISO 19743

First edition
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Solid biofuels — Determination of content of heavy extraneous materials larger than 3,15 mm

Biocombustibles solides — Dosage de la teneur en matériaux lourds exogènes de dimension supérieure à 3,15 mm

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Foreword

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

Introduction

Determination of content of heavy extraneous materials larger than 3,15 mm top size is important when evaluating the suitability of using biomass as biofuel. Stones and other impurities contained in biomass from stumps, roots, mill residue and harvest and landscape management residues may cause problems during size reduction, as well as during combustion.

Impurities smaller than 3,15 mm are not considered as part of this testing method but may still contribute to the ash content.

INTERNATIONAL STANDARD **ISO 19743:2017(E)**

Solid biofuels — Determination of content of heavy extraneous materials larger than 3,15 mm

1 Scope

This document specifies a method for the determination of content of heavy extraneous materials larger than 3,15 mm by the use of sink-and-float separation combined with elutriation. This document is applicable to woody biomass in accordance with ISO 17225-1:2014, Table 1.

NOTE 1 This method is designed to determine the level of impurities larger than 3,15 mm top size with a specific density >1 g/cm^3 such as stones, glass, rubber, metal and certain types of plastics.

NOTE 2 During the processing of the sample, hand sorting of light impurities with a specific density ≤1 g/cm^3 (e.g. plastic foil) can also be done.

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

ISO 14780, *Solid biofuels — Sample preparation*

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 method*

ISO 18135, *Solid biofuels — Sampling*

