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BSI Standards Publication

**Cereal and cereal products - Determination of  
Besatz in wheat (*Triticum aestivum L.*), durum  
wheat (*Triticum durum Desf.*), rye (*Secale  
cereale L.*), triticale (*Triticosecale Wittmack  
spp*) and feed barley (*Hordeum vulgare L.*)**

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## National foreword

This British Standard is the UK implementation of EN 15587:2018. It supersedes BS EN 15587:2008+A1:2013, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AW/4, Cereals and pulses.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

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### Amendments/corrigenda issued since publication

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## EUROPÄISCHE NORM

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Cereal and cereal products - Determination of Besatz in wheat (*Triticum aestivum L.*), durum wheat (*Triticum durum Desf.*), rye (*Secale cereale L.*), triticale (*Triticosecale Wittmack spp*) and feed barley (*Hordeum vulgare L.*)

Céréales et produits céréaliers - Détermination du taux d'impuretés dans le blé (*Triticum aestivum L.*), le blé dur (*Triticum durum Desf.*), le seigle (*Secale cereale L.*), le triticale (*Triticosecale Wittmack spp*) et l'orge fourragère (*Hordeum vulgare L.*)

Getreide und Getreideerzeugnisse - Bestimmung von Besatz in Weizen (*Triticum aestivum L.*), Hartweizen (*Triticum durum Desf.*), Roggen (*Secale cereale L.*), Triticale (*Triticosecale Wittmack spp.*) und Futtergerste (*Hordeum vulgare L.*)

This European Standard was approved by CEN on 1 October 2017.

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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<b>Contents</b>	<b>Page</b>
European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions .....	4
4 Principle .....	8
5 Apparatus.....	8
6 Sampling.....	8
7 Procedure (see diagram in Annex D).....	8
8 Expression of results.....	9
9 Precision.....	10
9.1 General.....	10
9.2 Repeatability.....	10
9.3 Reproducibility.....	11
9.4 Uncertainty.....	11
10 Test report.....	12
Annex A (informative) Indicative list of harmful and toxic seeds .....	13
A.1 Toxic seeds .....	13
A.2 Harmful seeds.....	13
Annex B (informative) Classification of damages.....	14
Annex C (informative) Summary classification of impurities.....	15
Annex D (normative) Diagram of procedure.....	16
Annex E (informative) Example of calculation .....	17
Annex F (informative) Results of interlaboratory test.....	18
Bibliography.....	28

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## **European foreword**

This document (EN 15587:2018) has been prepared by Technical Committee CEN/TC 338 "Cereal and cereal products", the secretariat of which is held by AFNOR.

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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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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## 1 Scope

This European Standard specifies the term *Besatz* (impurities) and describes methods for the determination of its components. The term *Besatz* is used as a parameter for certain quality aspects in common wheat (*Triticum aestivum L.*), durum wheat (*Triticum durum Desf.*), rye (*Secale cereale L.*), triticale (*Triticosecale Wittmack spp*) and feed barley (*Hordeum vulgare L.*).

## 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.

EN ISO 5223, *Test sieves for cereals*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **Besatz**

all matter of a sample of grain other than the basic cereal of unimpaired quality

Note 1 to entry: It comprises the four fractions: broken grains, grain impurities, sprouted grains and miscellaneous impurities.

Note 2 to entry: Live pests are not considered as *Besatz*. They are specified as a separate criterion.

Note 3 to entry: A schematic summary on *Besatz* is given in Annex C.

Note 4 to entry: Pictures of examples are given in [9].

### 3.2

#### **broken grains**

all grains belonging to the basic cereal and whose endosperm is partially uncovered, including grains damaged by threshing and grains from which the germ has been removed

Note 1 to entry: Grains damaged by pests or unsound are considered respectively as 3.3.3 and 3.5.2.

### 3.3

#### **grain impurities**

fraction consisting of shrivelled grains, other cereals, grains damaged by pests, grains in which the germ is discoloured (only for common and durum wheat), mottled grains (only for durum wheat) and grains overheated during drying

Note 1 to entry: For common wheat, grains in which the germ is discoloured are disregarded up to 8 %.