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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46682-2025

Granulated cork - Determination of apparent bulk density

软木粒 堆积密度测定方法

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is modified to adopt ISO 2031:2015 "Determination of bulk density of cork pellets".

This document has undergone significant structural adjustments compared to ISO 2031:2015. A table comparing the structural changes between the two documents is provided.

See Appendix A.

This document differs significantly from ISO 2031:2015 in several technical aspects. The relevant clauses are indicated in vertical single-line margins.

The lines (|) are marked. A summary of these technical differences and their causes can be found in Appendix B.

The following editorial changes have been made to this document.

---Appendix A (informative) "Comparison of Structural Change Numbers between this Document and ISO 2031:2015" has been added;

---Added Appendix B (Informative) "Technical Differences between this Document and ISO 2031:2015 and the Reasons Therefor".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the National Forestry and Grassland Administration.

This document is under the jurisdiction of the National Technical Committee on Standardization of Forestry Biomass Materials (SAC/TC416).

1 Scope

This document describes a method for determining the bulk density of cork particles.

This document applies to the determination of bulk density of cork pellets.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 42110-2022 Softwood Terminology (ISO 633:2019, MOD) GB/T 42306-2023 Classification, properties and packaging of cork pellets and cork powder (ISO.1997.2018, MOD)

3 Terms and Definitions

The terms and definitions defined in GB/T 42110-2022, as well as the following terms and definitions, apply to this document.

apparent bulk density Mass of cork particles per unit volume in a loose, naturally stacked state without pressure.

4 Testing equipment

4.1

Balance with a sensitivity of 0.1g.

4.2

Constant temperature and humidity chamber, capable of maintaining a temperature of $(20\pm 2)^{\circ}\text{C}$ and a relative humidity of $(65\pm 5)\%$.

4.3

A cubic container with a capacity of (2 ± 0.1) L (length, width, and height are all 126 mm) is used for the determination of cork particles with a particle size greater than 4 mm (see...).

Figure 1).

4.4

A cubic container with a capacity of (1 ± 0.1) L (length, width, and height are all 100 mm) is used for measuring cork particles with a diameter less than or equal to 4 mm.

(See Figure 1).

4.5

wooden ruler.

4.6

The height of the hopper support should be such that the upper edge of the hopper is 450mm away from the support surface (see Figure 1).

4.7

Stainless steel conical hopper (see Figure 1), composed of a conical section and a cylindrical section. The upper part of the conical section is open, and the lower part of the conical section and the cylindrical section are open.

The upper part of the cylindrical section is connected, and a switch is installed at the lower part of the cylindrical section to control the falling of materials. The upper diameter and lower diameter of the conical section are respectively...

The diameters are 300mm and 70mm, and the height is 200mm. The cylindrical part has a diameter of 70mm and a height of 50mm.