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PEOPLE'S REPUBLIC OF CHINA**

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**Calculation method of biogenic carbon content in wood and
wood-based products**

木材与木制品生物碳含量计算方法

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents, and the issuing organization of this document does not assume the responsibility for identifying patents.

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Calculation method of biogenic carbon content of wood and wood products

1 Scope

This document describes the calculation method for the biogenic carbon content of wood and wood products and its conversion to biogenic carbon dioxide.

This document applies to the calculation of the biogenic carbon content of wood and wood products and its conversion to biogenic carbon dioxide.

Note. The biochar content in wood and wood products does not include the biochar contained in additives such as adhesives and modifiers in wood products.

2 Normative references

GB/T 1927.4

GB/T 1927.5

GB/T 17657-2022

3 Terms and definitions

The terms and definitions defined in LY/T 1788 and the following apply to this document.

3.1 Wood-based products

Products derived wholly or partly from wood or wood units.

Note. It is a product that has been processed by mechanical, chemical, biological and/or thermal treatment. [Source. ISO 38200 2018, 3.3]

3.2 Biochar

Carbon from biomass.

[Source. ISO 14067 2018, 3.1.7.2]

3.3 biogenic CO₂; biogenic carbon dioxide

Carbon dioxide obtained after oxidation of biochar.

Example. Carbon dioxide released into the atmosphere from the oxidation of wood and wood products when they are burned for energy at the end of their life.

[Source. ISO 19694-1 2021, 3.4, modified]

3.4 Carbon content carbon fraction of wood or wood-based products

cf The ratio of the mass of biochar contained in wood and wood products to their absolute dry mass.