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

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Replacing GB/T 30366-2013

Biomass vocabulary

生物质术语

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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.

This document replaces GB/T 30366-2013 "Biomass Terminology". Compared with GB/T 30366-2013, except for structural adjustment and editorial In addition to the modifications, the main technical changes are as follows.

- Changed the scope (see Chapter 1, Chapter 1 of the 2013 edition);
- Deleted four terms such as "softening temperature of ash melting" and "initial deformation temperature of ash melting" (see the 2013 edition 2.1.18~2.1.20 and 2.1.26);
- Added 9 terms such as "cork" and "cork" (see 3.2.14 to 3.2.22);
- Added "biomass raw material analysis and physical and chemical properties testing" (see 3.3);
- Added 8 terms such as "wet basis moisture content" and "dry basis moisture content" (see 3.3.5, 3.3.6, 3.3.16~3.3.21);
- Added the term "air source heat pump drying" (see 3.4.19);
- Added 28 terms such as "biomass materials" and "wood-plastic composite materials" (see 3.5.2 to 3.5.29).

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

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

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

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2013 as GB/T 30366-2013;
- This is the first revision. Biomass Terminology

1 Scope

This document defines the terms for biomass in general, sources, raw material analysis and physicochemical property testing, conversion and processing, and utilization.

This document applies to technical activities such as production, circulation, and testing of biomass and its related products.

2 Normative references

This document has no normative references.

3.1.1 Biomass

Directly or indirectly formed by photosynthesis of green plants, including plants, animals and microorganisms, as well as the excretion and metabolism of these living organisms The organic matter produced.

Note. Biomass is divided into agricultural biomass, forestry biomass, municipal solid waste, animal waste, etc.

3.1.2 Agricultural biomass

Biomass generated during agricultural production and processing and grown in the ocean.

Note. Agricultural biomass mainly includes agricultural products, agricultural residues (such as corn stalks, sorghum stalks, wheat straw, rice straw, bean straw, cotton stalks and rice husks, etc.), livestock and poultry manure, energy Plants and aquatic plants such as algae and seaweed, etc.

3.1.3 forestry biomass

Biomass generated during forestry production and processing.

Note. Forestry biomass mainly includes forest products (such as wood, bamboo, rattan, etc.), forestry residues (such as branches, sawdust, wood chips, tips, board skin and cuttings, fruit shells, etc.), and fruit cores, logging residues and processing residues, papermaking waste and waste wood), energy forests, grass plants in forests and grasslands, etc.

3.1.4 Municipal solid waste; MSW

Biomass solid waste generated by the daily life of urban residents.

3.1.5 primary biomass

Biomass produced directly from photosynthesis.

Note. Primary biomass includes wood, bamboo, rattan, crops, grass plants, or aquatic plants such as seaweed and seaweed obtained from forests.

3.1.6 Secondary biomass

By-products and residues generated during the processing of target products using primary biomass as raw materials.

Note. Secondary biomass includes sawdust, straw, pulping black liquor, livestock manure, etc.