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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1451-2017

Replacing LY/T 1451-2008

Comprehensive energy consumption for fibreboard production

纤维板生产综合能耗

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces the comprehensive energy consumption of LY/T 1451-2008 fiberboard production. This standard is mainly changed from LY/T 1451-2008.

The following is as follows.

--- Revised the basic energy consumption grading index value (see 4.1, 2008 version 4.1);

--- Revised the basic energy consumption grading indicator level is excellent, good, qualified for Level 1, Level 2, Level 3 (see 4.1, 2008 version 4.1);

--- Increased the fiberboard environmental protection level correction factor (see 5.5.3);

---Modified the testing and measurement of the energy consumption of fiberboard production (see Chapter 6, Chapter 6 of the 2008 edition);

--- Deleted the data processing method (see Chapter 7 of the 2008 edition);

--- Added normative reference document LY/T 2394 forestry enterprise energy measurement instrument management norms (see Chapter 2, 2008 edition) Chapter 2);

--- Added normative reference document GB/T 31765 high density fiberboard (see Chapter 2, Chapter 2 of the 2008 edition);

--- Removed the correction factor for the wet method in the fiberboard type correction factor (see Table 2 of the 2008 edition).

This standard is supported by the National Energy Foundation and Management Standardization Technical Committee Forestry Energy Management Sub-Technical Committee (SAC/TC20/SC7) Proposed and managed.

This standard was drafted. Heilongjiang Provincial Forest Engineering and Environment Research Institute, Jilin Sen Workers' Forming Board Group Co., Ltd., Lanzhou Ketian Holding group.

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1 Scope

This standard specifies the terminology and definition of comprehensive energy consumption for fiberboard production, the classification index of basic energy consumption per unit of output, and the calculation of comprehensive energy consumption.

Principles and methods and testing and measurement requirements.

This standard is applicable to the comprehensive energy consumption calculation and energy consumption index assessment of fiberboard production using woody plants as raw materials. Produced from other raw materials the comprehensive energy consumption of fiberboard can also be referred to.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2589 General rules for comprehensive energy consumption calculation GB/T 6422 energy-using equipment energy test guidelines GB/T 11718 medium density fiberboard GB/T 15316 Energy Conservation Monitoring Technology General GB 17167 Energy-using unit energy metering equipment management and general rules GB/T 31765 high density fiberboard LY/T 2394 Management requirements for energy measurement equipment in forestry enterprises

3 Terms and definitions

The following terms and definitions as defined in GB/T 11718 and GB/T 31765 apply to this document.

In the statistical period, fiberboard manufacturers use various energy sources actually consumed in the whole process of fiberboard production (direct production, indirect production).

The physical quantity is converted into the sum of the standard coal according to the prescribed calculation method.

Fiberboard production unit output comprehensive energy consumption comprehensiveenergyconsumptionofunitoutputforfibreboardproduction the ratio of the combined energy consumption of the fiberboard production to the yield of the qualified fiberboard during the same statistical period.

Basic energy consumption per unit of fiberboard production

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basicenergyconsumptionofunitoutputforfibreboardproduction in the statistical period, the average temperature T. 20 ° C <= T < 35 ° C, the amount of energy consumed in the production of qualified fiberboard of 1 m3 environmental protection grade E1.

Direct production system Peeling, chipping, wood chip screening, wood chip washing, hot grinding, sizing, fiber drying, paving, pre-pressing, hot pressing, post-treatment and other processes.

Indirect production system Includes auxiliary production systems and ancillary production systems.

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