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

LY/T 1979-2011

**Specifications for Material Saving and Emission Reduction in
Particleboard Production**

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(English Translation)

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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 LY/T 1979-2011 "Technical Specifications for Material Saving and Emission Reduction in Particleboard Production". Compared with LY/T 1979-2011, except Apart from editorial changes, the main technical changes are as follows.

- a) Changed the scope and expanded the scope of application (see Chapter 1, Chapter 1 of the 2011 edition);
- b) Changed the terms and definitions (see Chapter 3, 3.1, 3.3, 3.4, 3.6, 3.7 of the 2011 edition);
- c) Changed the basic principles and added the principles of pollutant discharge reduction and recycling (see Chapter 4, 4.1, 4.2, 2011 edition 4.3, 4.4, 4.5);
- d) Changed the production equipment and process requirements, adjusted the corresponding clauses, and deleted the general requirements (see Chapter 5, 2011 edition 5.1.1);
- e) Changed the material-saving technical requirements (see 5.1, 5.1.2, 5.1.3, 5.1.5 of the 2011 edition);
- f) Added energy-saving technical requirements (see 5.2);
- g) Changed the emission reduction technical requirements (see 5.3, 5.1.4, 5.1.6 of the 2011 edition);
- h) The wood utilization rate index and product index are deleted (see 5.2 and 5.3 of the 2011 edition);
- i) Changed the concentration of hazardous substances in the operating environment, waste recycling, and pollutant discharge standards (see 5.4, 5.5, 5.6, 2011 edition 5.4, 5.5, 5.6);

j) Changed the main measures of material saving and emission reduction (see 6.1, 6.2, 6.3, 6.4, 6.1, 6.2, 6.3, 6.4 of the 2011 edition);

k) Deleted the calculation method of absolute dry wood quantity and product quality pass rate (see 7.6, 7.7, 7.8 of the 2011 edition).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is under the jurisdiction of the National Wood-based Panel Standardization Technical Committee (SAC/TC198).

1 Scope

This document establishes the basic principles of material saving and emission reduction in particleboard production, specifies technical requirements, main measures for material saving and emission reduction, and data collection.

collection and detection methods.

This document is applicable to the design, process specification and production management of new, expanded and reconstructed (transformed) production lines of ordinary particleboard and oriented strandboard.

reason. Not suitable for gypsum particle board, cement particle board, slag particle board, etc.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB 8978 Comprehensive Wastewater Discharge Standard GB 13271 Boiler Air Pollutant Emission Standard GB/T 16157 Determination of Particulate Matter in Exhaust Gas from Stationary Pollution Sources and Sampling Methods for Gaseous Pollutants GB 16297 Comprehensive Emission Standard of Air Pollutants GB/T 18204.2 Hygienic inspection methods for public places Part 2: Chemical pollutants GB/T 18259-2018 Wood-based panels and their surface decoration terms GB 18918 Pollutant Discharge Standards for Urban Sewage Treatment Plants GB/T 38743-2020 Terminology of waste wood and wood-based panels GB/T 50827 Particleboard Engineering Design Code GB/T 50888 Code for energy-saving design of wood-based panel engineering GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Factors in the Workplace Part 1: Chemical Hazardous Factors GBZ/T 192.1 Determination of dust in the air of workplaces Part 1: Total

dust concentration HJ1032 Technical Specifications for Application and Issuance of Pollutant Discharge Permits for Wood-based Panel Industry LY/T 1659 Technical specification for dust prevention and control of wood-based panel industry LY/T 1862 Technical Specifications for Energy Conservation of Pneumatic Conveying and Dust Removal Systems in the Wood Industry

3 Terms and Definitions

The following terms and definitions defined in GB/T 18259-2018 and GB/T 38743-2020 apply to this document.

Particleboard Wood or non-wood plant fiber raw materials are processed into shavings (or scraps), adhesives (and other additives) are applied, formed into blanks and heated A type of man-made board made by pressing.

[Source. GB/T 18259-2018, 3.3.1]