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

LY/T 3135-2019

Wood residues

木材剩余物

(English Translation)

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Foreword

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

The standard is proposed and managed by the National Timber Standardization Technical Committee (SAC/TC 41).

This standard was drafted. Guangxi Zhuang Autonomous Region Forestry Research Institute, Guangxi Fenglin Wood Industry Group Co., Ltd., Rong'an County Senyuan Forestry Co., Ltd., Zhejiang Shiyu Wood Industry Co., Ltd., Guangxi Huasheng Wood Industry Co., Ltd., Guangxi Shangsi Hualin Forest Products Industry Co., Ltd., Mongolia Daxinganling Forest Investigation and Planning Institute.

1 Scope

This standard specifies the terms and definitions, classification, technical requirements, inspection methods and determination principles of wood residues.

This standard is mainly applicable to the inspection and determination of wood residues.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 144-2013 Log Inspection GB/T 153-2009 coniferous sawn timber GB/T 4817-2009 Hardwood sawnwood GB/T 4822-2015 sawn timber inspection GB/T 11917-2009 terminology GB/T 13010-2006 Sliced veneer GB/T 18259-2018 Wood-based panels and surface decoration terms GB/T 35217-2017 sawing sheet LY/T 1352-2012 Unedged sawn timber LY/T 1599-2011 Rotary cut veneer LY/T 1680-2006 Code for Comprehensive Utilization of Wood

3 Terms and definitions

GB/T 11917-2009, GB/T 18259-2018 and the following terms and definitions apply to this document. For ease of use, use Some of the terms and definitions in GB/T 11917-2009 and GB/T 18259-2018 are repeatedly listed below.

Wood residue

Residual materials produced during the harvesting, timber making, and wood processing (such as branches, treetops, roots, bark, tree pockets, Nut shells, slabs, slats, wooden blocks, wood frustums, sawdust (sawdust), wood flour, broken veneer, wood core, wood shavings, corner scraps, etc.).

Logging residue

Residues during tree cutting operations (such as branches, treetops, roots, leaves, bark, tree pockets, nut shells, etc.).

Bucking residue

Residues of wood and slivers during the manufacturing process.

Processing residue

Substances remaining in the processing of wood and its products (such as slabs, slats, wood blocks, wood frets, sawdust (sawdust), wood flour, broken pieces Veneer, wood core, wood shavings, leftovers, etc.).

Branch

Branches or branches spawned from the trunk of a tree.

Treetop

Tip of tree trunk.

Slab

The cross-section of the curved sapwood cut from the log is a chord-cut plane connected with the arc of the outer edge of the log.

[GB/T 11917-2009, definition 2.45] 3.8 Slat strip Residual material cut out of sawn timber according to a certain size.

Sawdust

Particulate matter produced during the sawing process of wood.

3.10

Wood flour

A powdery substance produced by sanding or pulverizing wood and its products.

3.11

Broken veneer rounding Due to the irregular shape or deviation of the center of the wood segment, the irregular shape and insufficient width of the wood segment at the beginning of the rotary cutting A piece of veneer with a circumference that is shorter than the length of the wood segment.

[GB/T 18259-2018, definition 3.1.71] 3.12 Wood core the remainder of the log after it has been cut.

3.13

Particle

Sheets, rods, and granules of certain shapes and sizes processed by wood or non-wood plant fiber raw materials A collective term for scrap.

[GB/T 18259-2018, definition 3.3.32] 3.14 Edge angle surplus material Excess parts of wood and its products that have been cut and cut during the production of articles or processing.

4 Classification

Divided into three categories according to the operation method.

- a) Harvesting residue
- b) Remaining materials
- c) Processing residue

5 Requirements

The requirements shall meet the requirements in Table 1.

Table 1 Wood residue requirements

Classification type requirements Logging residue Branches, treetops when the diameter is less than 3cm, the length is not limited;

When diameter $\geq 3\text{cm} \sim 8\text{cm}$, length $< 1\text{m}$ Unlimited tree roots, leaves, bark, tree pockets,

husks, etc.

Wood Residue

When the length is less than 0.5m, the diameter is not limited;

When the length is $\geq 0.5\text{m} \sim 1\text{m}$, the diameter is less than 8cm Processing residue Slats GB/T 153-2009, GB/T 4817-2009, LY/T 1352-2012 other than the specified size Plate skin bow height $\leq 3\text{cm}$, unlimited length Broken veneer LY/T 1599-2011, GB/T 13010-2006, GB/T 35217-2017 other than the specified size Wood core diameter $\leq 6\text{cm}$ the truncated length of sawn timber is $\leq 0.5\text{m}$, the width and thickness are $\leq 500\text{mm}$ Unlimited for shavings, sawdust (sawdust), wood flour, wood blocks, leftovers, etc.

6.1.1.1 Dimensions

The length is measured in meters, measured to centimeters, those who are less than centimeters are discarded, and the direct measurement is taken at the shortest distance between the two sections.

The diameter is measured in centimeters and measured in millimeters. The method of measuring diameter shall be implemented in accordance with the relevant regulations of GB/T 144-2013.

6.1.1.2 Sampling

Lot size and sample size are in tons or cubic meters, and 0.5% of the sample size is drawn by a simple and random method.

6.1.2 Tree roots, leaves, bark, tree pockets, nut shells, etc.

Confirm visually.

6.2.1 Dimensions

Implement in accordance with the provisions of 6.1.1.1.

6.2.2 Sampling

Implement in accordance with the provisions of 6.1.1.2.

6.3.1.1 Dimensions

The slab size inspection shall be carried out in accordance with the relevant regulations of GB/T 4822-2015.

The size of the skin is measured in millimeters and measured to the millimeter. The maximum length is measured in the direction of the grain.