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LS

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

LS/T 1706-2017

Replacing LS/T 1706-2004

**Classification and codes of grain information. Classification
and codes of grain equipment
(English Translation)**

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11 General machinery and equipment for grain and oil GB/T 8874, GB/T 7635

12 Granary machinery and equipment GB/T 8874, GB/T 26632-2011

Foreword

This standard is based on GB/T 1.1-2009 "Standardization Work Guidelines Part 1. Structure and Compilation of Standards", GB/T.20001.3-2015 "Standard Writing Rules Part 3. Classification Standards" and GB/T 7027-2002 "Basic Principles and Methods for Information Classification and Coding", Combined with the food equipment classification and code information of the grain industry, a comprehensive code is given.

This standard replaces LS/T 1706-2004 "Food Equipment Classification and Code".

Compared with LS/T 1706-2004 "Food Equipment Classification and Code", the main technical contents of this standard are as follows.

--- Increased the bulk loading and unloading device for bulk grain trucks;

--- Increased equipment for grain and oil general machinery and equipment, rice mill machinery and equipment, double-layer cylinder primary cleaning screen, white rice selection machine, etc.;

---Modified inspection and testing equipment, and added some instruments such as gas chromatography-mass spectrometer;

--- Removed some devices that have been eliminated or forbidden.

This standard was proposed by the National Grain Administration.

This standard is under the jurisdiction of the National Grain and Oil Standardization

Technical Committee (SAC/TC270).

This standard was drafted. Henan University of Technology, National Grain and Oil Information Center, Hubei Provincial Grain Bureau, Henan Provincial Grain Bureau.

1 Scope

This standard specifies the classification principles and methods of food equipment in the grain industry, code coding methods, code structure, coding principles, and food.

Technical content such as equipment classification and code tables.

This standard applies to information processing and information exchange in the food industry.

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 7635 national main product classification and code GB/T 8872 Grain and oil terminology milling industry GB/T 8873 Grain and oil terminology GB/T 8874 Grain and oil general technology, equipment terminology GB/T 8875 Grain and oil terminology rice milling industry GB/T 10647 feed industry terminology GB/T 18695 feed processing equipment terminology GB/T 21489 bulk grain truck unloading device GB/T 26632-2011 Grain and oil terminology, grain and oil storage equipment and facilities

3 Classification principles and methods

3.1

Classification according to basic attributes such as the type, attribute, purpose, type and specification of the device.

3.2

Adopt line classification method.

4.1 Coding method

4.1.1

This standard uses hierarchical code. The code table is divided into four levels. Each level is named as large class, medium class, small class and fine class.

4.1.2

This standard code is represented by eight Arabic numerals. Each layer is represented by two digits, and each layer uses a sequential code.

4.1.3

For the code whose classification ends in the middle of a certain level category name, the information processing shall be supplemented with "0" to the total code length (eight bits) of the design. In Table 1 not indicated by "0".

4.2 Code Structure

First class

Second class

Third level small class xx-Fourth layer Code

5 Coding principles

5.1

This standard covers the main food equipment involved in food enterprises, and the order and level of all codes are independent of importance.

5.2

When classifying equipment, it is in principle classified by its type attribute in most food enterprises.

6 Grain equipment classification and code table

The food equipment classification and code table is shown in Table 1.

Table 1 Grain equipment classification and code table

Code name description

11 General machinery and equipment for grain and oil GB/T 8874, GB/T 7635

1101 Cleaning and grading equipment 110101 primary screening 11010101 mesh belt clearing sieve 11010102 cylinder clearing sieve 11010103 double cylinder vertical screening 11010104 squirrel cage screen

11010199 Other preliminary screening a 110102 cleaning screen

11010201 Eccentric vibrating screen

11010202 Self-balanced vibrating screen 11010203 horizontal vibrating screen 11010204

plane rotary screen

11010205 Plane rotary vibrating screen 11010206 high speed vibrating screen 11010207 round sieve 11010208 hexagonal screen

11010211 Conical circular sieve 11010212 tapered hexagonal sieve 11010213 sifting screen

Table 1 (continued)

Code name description

11010214 Combination cleaning screen

11010299 Other cleaning screen a 110103 mobile cleaning screen 11010301 moving normal speed cleaning screen 11010302 mobile high speed cleaning screen

11010399 Other mobile cleaning screens a 110104 stone removal machine

11010401 Blowing specific gravity stone removing machine

11010402 Suction type gravity stone removing machine

11010403 Gravity Grading Stone Machine

11010499 Other stone removal machine a 110105 magnetic separation

11010501 Magnetic steel

11010502 Ferrite permanent magnet 11010503 magnetic bar 11010504 stepped magnetic separator

11010505 Electromagnetic roller 11010506 plate magnetic separator 11010507 permanent magnet tube 11010508 permanent magnet roller

11010511 Electromagnetic roller

11010599 Other magnetic selection a 110106 air selector

11010601 Suction air selector

11010602 Blowing air selector

11010603 Circulating air selector

11010699 Other air sorter a 110107 wind tunnel 11010701 vertical suction duct

11010702 Circulating wind suction duct

11010799 Other air duct a

110108 Gravity classifier

110199 Other cleaning and grading equipment a