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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LS/T 1707.1-2004

Replacing LS/T 1707.1-2004

Classification and codes of grain information. Grain storage. Part 1: Classification and codes of grain storage operation

(English Translation)

Issued on: March 10, 2017 **Implemented on: June 1, 2017**

Issued by: National Grain Administration

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Foreword

LS/T 1707 "Food Information Classification and Coding Grain Storage" is divided into three parts.

--- Part 1. Classification and code of warehouse operations;

--- Part 2. Classification and code of food situation detection;

--- Part 3. Equipment classification and code.

This part is the first part of LS/T 1707.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section replaces LS/T 1707.1-2004. The main technical changes compared with LS/T 1707.1-2004 are as follows.

--- Simplified the classification method for mechanical ventilation of grain storage in the original standard;

--- Combine Appendix A, Table A.1, "Common Drug Category Codes" in the original standard with the corresponding drug types;

--- Removed the "electromagnetic ray processing" related content in the original standard;

--- Added work related to simple storage and grease storage.

This part is based on GB/T.20001.3-2015 "Standard writing rules Part 3. Classification standards", GB/T 7027-2002 "Information the basic principles and methods of classification and coding, combined with the comprehensive coding of the main storage operations in

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grain storage enterprises.

This part is proposed and managed by the National Grain Bureau.

This section drafted by. Henan University of Technology, National Grain and Oil Information Center.

1 Scope

This part of LS/T 1707 specifies the classification principles and methods of the main storage operations in grain storage enterprises, the coding methods of codes, and generations.

Technical indicators such as code structure, coding principle, storage operation classification and code table.

This section 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 17913 grain and oil storage phosphine circulating fumigation equipment GB/T 29890 Grain and Oil Storage Technical Specifications LS/T 1201 phosphine circulation fumigation technical specification LS/T 1202 Technical Regulations for Mechanical Ventilation of Grain Storage LS/T 1707.2 Food Information Classification and Coding Grain Storage Part 2. Classification and Code of Grain Detection

3 Classification principles and methods

3.1
Classification and coding according to the type of business of grain storage enterprises.

3.2
Adopt line classification method.

4.1 Coding method

4.1.1
The hierarchical code is divided into four levels, each of which is a large class, a medium class, a small class, and a fine class.

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4.1.2
This code is represented by 5 digits of Arabic numerals, the second layer is represented by two digits, and the other layers are represented by one digit. level one the code is 1~9, the second layer code is 01~99, the third layer code is 1~9, the fourth layer code is 1~9, and each layer code is sequential code.

4.1.3
For the code of the category name whose classification ends at a certain level in the middle, the information processing shall be complemented by "0" to the total code length of the design (5 digits).

5 Coding principles

5.1
This section covers the main warehousing operations involved in the warehousing enterprise. The order and level of all codes are independent of importance.

5.2
Assignments are classified in principle in terms of their general operation in most warehousing companies.

6 Warehousing job classification and code table

The warehouse operation classification and code table are shown in Table 1.

Table 1 Warehousing job classification and code

Code name description 1 warehousing

101 Ways to transport grain

1011 Waterway transportation 10111 packaging 10112 in bulk

1012 Railway transportation 10121 packaging 10122 in bulk

1013 Road transport

10131 packaging

10132 in bulk

1014 Containerized unitized transport 10141 packaging 10142 in bulk

1019 Other forms of transport a 102 weighing 103 inspection 104 cleaning up 105 drying

1051 Natural drying

1052 Mechanical drying 1053 mixed drying

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1059 Other drying methods a

106 Warehousing method

1061 Manual warehousing

1062 Mechanical warehousing

Table 1 (continued)

Code name description 1063 semi-mechanical warehousing

1069 Other warehousing methods a 107 stacking 1071 stacked form 10711 scatter

10712 Packaging

10713 Peripheral package 108 pile height 109 closing 2 storage in the warehouse

201 Grain storage machinery ventilation 2011 cooling and ventilation 2012 precipitation ventilation

2013 Treatment of heating grain ventilation

2014 Equilibrium grain temperature ventilation

2019 Ventilation for other purposes

202 Low temperature storage in addition to underground storage 2021 natural low temperature 2022 air conditioning low temperature 2023 grain cooler low temperature 2024 refrigeration unit low temperature 2025 inner circulation

2029 Other low temperature mode a 203 modified atmosphere storage

2031 Biological oxygen reduction

20311 Naturally sealed hypoxia

20312 Microbial oxygen reduction

20313 Other biological oxygen reduction a 2032 artificial atmosphere 20321 nitrogen filled 20322 carbon dioxide gas

20329 Other artificial atmospheres a

2033 Chemical oxygen reduction

20331 Iron-based deoxidizer

Table 1 (continued)

Code name description

20339 Other chemical oxygenators a

204 Pest Control

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