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

GB/T 10343-2023

Replacing GB 10343-2008

Quality requirements for edible alcohol

食用酒精质量要求

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Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part

1.Rules for the structure and drafting of standardizing documents". This document specifies the technical requirements related to food quality. Related requirements on food safety can be found in relevant laws and regulations, policies, food safety standards and other documents. This document replaces GB 10343-2008 "Edible alcohol". Compared with GB 10343- 2008, in addition to structural adjustment and editorial changes, the main technical changes are as follows:

- a) Change the definition of edible alcohol (see 3.1;
3.1 of the 2008 edition);
- b) Add the term and definition of super neutral alcohol (see 3.2);
- c) Add product classification (see Clause 4);
- d) Change the sensory requirements (see 5.1;

4.1 of the 2008 edition);

e) Change the physical and chemical requirements (see 5.2;

4.2 of the 2008 edition);

f) Change the test methods (see Clause 6; Clause 5 of the 2008 edition);

g) Change the inspection rules and marking (see Clauses 7 and 8; Clauses 6 and 7 of the 2008 edition). Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights. This document was proposed by China National Light Industry Council. This document shall be under the jurisdiction of National Technical Committee 471 on Brewing of Standardization Administration of China (SAC/TC 471). Drafting organizations of this document. China Alcoholic Drinks Association; Anhui Ante Food Co., Ltd.; China National Research Institute of Food & Fermentation Industries Co., Ltd.; SDIC Biotech Jilin Co., Ltd.; Henan Tianguan Group Co., Ltd.; Taicang Xintai Alcohol Co., Ltd.; Guangdong Zhongke Tianyuan New Energy Technology Co., Ltd.; Jiangsu Huating Biotechnology Co., Ltd.; Guangdong Provincial Bioengineering Institute (Guangzhou Sugarcane Industry Research Institute). Main drafters of this document. Zhang Guohong, Xie Lin, Meng Zhen, Jia Dan, Du Fengguang, Mao Weigang, Jiang Xinchun, Zhuang Zhiguo, Guo Jianxiong. The previous editions of the documents replaced by this document are as follows: - It was first issued as GB 10343-1989 in 1989; revised for the first time in 2002; revised for the second time in 2008; - This is the third revision. Quality requirements for edible alcohol

1 Scope

GB/T 10343-2023 is the Chinese national standard on quality requirements for edible alcohol, in the field of food technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 17 March 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2024. Classification: ICS 67.160.10, CCS X63. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the product classification, requirements, test methods, inspection rules, and marking of edible alcohol. This document is applicable to the production, inspection, and sales of edible alcohol.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB 190 Packing symbol of dangerous goods

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 394.2 General methods of analysis for ethanol

GB 5009.225 National Food Safety Standard - Determination of ethanol concentration

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Edible alcohol An aqueous alcohol for use in the food industry, which is made from fermentation and distillation of grains, potatoes, molasses or other edible crops as the main raw material. [Source: GB/T 17204-2021, 3.2]

4 Product classification

According to raw materials, it is classified into.

5 Requirements

5.1 Sensory requirements It shall meet the requirements of Table 1.

5.3 Net content Prepackaged products shall comply with the provisions of "Measures for the Metrological Supervision and Administration of Quantitatively Packed Commodities".

6 Test methods

6.1 Sensory requirements Carry out according to GB/T 394.2.

6.2 Physical and chemical requirements

6.3 Net content Carry out according to JJF 1070.

7.2 Sampling

7.2.1 The sampling method is as follows:

7.2.2 From the upper, middle and lower parts of the alcohol in the tank, the vertical tank shall be sampled according to the volume ratio of 2.3.2; the horizontal tank shall be

sampled according to the volume ratio of 1.3.1. Tanker and barrel samples are sampled from the middle position.

7.3.1 Exit-factory inspection

7.3.1.1 Before the product leaves the factory, according to the provisions of this document, the inspection department of the manufacturer shall carry out inspection lot by lot. Only when the inspection results comply with this document can the product leave the factory.

7.3.2 Type inspection

7.3.2.1 Inspection items include all items required by this document. Number of samples
Lot range

7.3.2.2 Under normal circumstances, the type inspection of the same type of product is carried out every six months. It shall also be carried out in one of the following situations.

7.4 Determination rules

7.4.1 When one or more indicators of the inspection results do not meet the requirements of this document, twice the number of samples shall be taken from the same lot of products for re-inspection. The re-inspection results shall prevail.

8 Marking

8.1 Prepackaged products shall be marked with product classification, ethanol content, and net content.