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

GB 15266-2009

Replacing GB 15266-2000

Sports beverage

运动饮料

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Foreword

This standard 4.1.2,4.2,4.3,4.4.1,

7.1 are mandatory, others are recommended. This standard replaces GB 15266-2000 "sports drinks." This standard compared with GB 15266-2000 main changes are as follows:

- a) the definition of sports drinks has been revised for the first time emphasized the sports drinks are rapidly absorbed by the body characteristics;
- b) cancel the Categories;
- c) cancel the net content requirements;
- d) physical and chemical indicators and health indicators were adjusted (such as removing the calcium, magnesium indicators);
- e) cancel "The IOC banned substances," the appendix, this standard only requires "not add WADA Prohibited Substances "(WADA) regulations of the latest version. Appendix A of this standard is an informative annex. The standard proposed by China National Light Industry Council. This standard by the National Standardization Technical Committee on Food Beverage Industry Technical Committee. This standard by the China Beverage Industry Association Technical Committee, the Institute of Sports Medicine, Peking University Third School of Medicine, PepsiCo (China) Best Sidel Sport Science Research Center, the State Sports General Administration of Sports Medicine Institute of Sports Nutrition Research Center, Hangzhou Wahaha Group Co., Ltd. Coca-Cola (China) Beverages Ltd., Tingyi (control) Co., Ltd. R & D Center drinks, Guangdong Jianlibao Group Co., Ltd., the farmer mountain Chuen, Ltd., Otsuka (China) Investment Co., Kraft Foods (China) Co., Ltd.,

PepsiCo (China) Co., Ltd. Robust (Guangdong) Food & Beverage Co., Red Bull Vitamin Drink Co., Ltd. is responsible for drafting. The main drafters of this standard. Aihua, only a small history, Li Yunan Iraq Muqing, Di Penggui, Sun Wei, Chen Zhiming, Zhao Xuemei, Yao Yu Cai, Li Xue camel, Li Ying, Zhao Wenling, Wu Zhenjun. This standard replaces the standards previously issued as follows:

--- GB 15266-1994, GB 15266-2000. Sports drinks

1 Scope

GB 15266 defines what may be sold as a sports drink in China. It sets the definition and the compositional requirements that distinguish the category from an ordinary soft drink - the osmolality and the ranges for sodium, potassium and carbohydrate that make a drink isotonic and useful during exercise rather than merely sweet - together with the sensory and physico-chemical requirements, the test methods, the inspection rules, and the labelling, packaging, transport and storage. It is mandatory, which means the claim on the label has to be earned. Issued on 14 April 2009, in force since 1 December 2009, replacing GB 15266-2000. 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 edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

This standard specifies the definition of sports drinks, technical requirements, test methods, inspection rules, labeling, packaging, transportation and storage requirements. This standard applies to Chapter 3 define the sports drink.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 2759.2 carbonated drinks health standards

GB 2760 Hygienic standards for uses of food additives

GB/T 5009.84 foods thiamine (vitamin B1) Determination Determination of

GB/T 5009.85 foods riboflavin

GB/T 5009.91 foods potassium, sodium measurement

GB 7101 solid beverage hygiene standards

GB 7718 pre-packaged food labels General

GB/T 12143 Universal beverage analysis

GB 13432 prepackaged foods for special dietary uses food labels General

GB 14880 Fortified Food hygiene standards

GB 16322 plant protein drinks health standards

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 And nutrient content to adapt to the physiological characteristics of sport or physical activity groups, to supplement the water, electrolytes and energy for the body, which may be Rapid absorption beverage. 4. Technical Requirements

4.1 Raw Materials

4.1.1 shall comply with the relevant standard raw and auxiliary materials and related provisions.

4.1.2 not add banned substances World Anti-Doping Agency (WADA) latest version specified (see Appendix A).

4.2 Sensory requirements The product should have proper color, taste, without smell, smell, no normal vision visible foreign matter.

4.3 Physical indicators

4.3.1 Physical and chemical indicators should meet the requirements in Table 1. Table

1 Physical and Chemical Indicators Item Index Soluble solids (20 °C when Refractometric)/

3.0 to 8.0% Na/(mg/L) 50 ~ 1200 K/(mg/L) 50 ~ 250

4.3.2 need to dilute or dissolve punch drink products, according to the label after dilution with water or mix multiple red solution, physical and chemical indicators should be consistent with Table

4.4 Food additives and food nutrition fortifier

4.4.1 shall comply with the provisions of GB 2760 and GB 14880.

4.4.2 ascorbic acid, thiamine and its derivatives, riboflavin and its derivatives or to add ingredients, in direct consumption products, ascorbic Acid of not more than 120mg/L; thiamine and its derivatives 3mg/L ~ 5mg/L; riboflavin and its derivatives 2mg/L ~ 4mg/L.

4.5 health indicators Solid products should comply with GB 7101, without gas or liquid

products should comply with GB 16322, gas-liquid product should comply with the GB 2759.2 Provisions.

5 Test methods

5.1 Sensory test Take about 50mL mixing of the sample in a colorless transparent container, placed in a bright place, welcome light to observe its color and clarity, and At room temperature, smell the smell, taste its flavor.

5.2 TESTING

5.2.1 soluble solids Test method according to GB/T 12143 requirements.

5.2.2 sodium and potassium Test method according to GB/T 5009.91 regulations.

5.2.3 ascorbic acid Test method according to GB 12143 requirements.

5.2.4 thiamine Test method according to GB/T 5009.84 regulations.

5.2.5 riboflavin Test method according to GB/T 5009.85 regulations.

6 Inspection rules

6.1 Sampling methods and sample size Factory inspection, each batch of randomly selected 12 minimum individually wrapped, six indicators for organoleptic, physical and chemical indicators of the test, two for microbial detection Experience, another four spare. Type test, the minimum each batch of randomly selected 12 individually wrapped, six indicators for organoleptic, physical and chemical indicators of the test, two For microbiological testing, the other four spare.

6.2 factory inspection Manufacturers' quality management department to determine product batches in accordance with their respective rules, when each batch of products manufactured respond sensory properties can be Soluble solids, sodium, potassium, total bacterial count, coliform testing.

6.3 Type inspection All items specified in the technical requirements of this standard are type inspection items. Type inspection once a year, or when the following situation When one of the conditions tested.

--- Raw materials, process large changes; After

--- Discontinued resume production;

--- Factory test results with the usual recording quite different.

6.4 determine the rules In addition to microbiological criteria, the test project does not comply with this standard, the project failed retest doubling the sample from the production lot. recheck The results are still a failure, determine whether the product is defective.