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NATIONAL STANDARD OF THE
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Replacing GB/T 5009.55-1996

Method for analysis of hygienic standard of sugars

食糖卫生标准的分析方法

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Table of Contents

Foreword	3
1 Scope	4
2 Normative references	4
3 Sensory examination	5
4 Physical and chemical testing	5
5 Sensory examination	6
6 Physical and chemical testing	6
7 Sensory examination	6
8 Physical and chemical testing	6
9 Sensory examination	7
10 Physical and chemical testing	7
11 Sensory examination	8
12 Physical and chemical testing	8
13 Sensory examination	8
14 Physical and chemical testing	9
15 Sensory examination	9
16 Physical and chemical testing	9

Method for analysis of hygienic standard of sugars

1 Scope

This standard stipulates the analysis methods of various health indicators in white sugar, rock sugar, cube sugar, brown sugar, red sugar, starch sugar products and honey.

This standard applies to the analysis of various health indicators in white sugar, rock sugar, cube sugar, brown sugar, red sugar, starch sugar products, and honey.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 5009.11 Determination of total arsenic and abio-arsenic in food

GB/T 5009.12 Determination of lead in foods

GB/T 5009.13 Determination of copper in food

GB/T 5009.14 Determination of zinc in food

GB/T 5009.34 Determination of sulfite in food

GB/T 5009.36 Method for analysis of hygienic standard of grains

GB/T 5009.95 Determination of tetracyclines residue in honey

GB 13104 Hygienic standard for sugars

GB 14963 Hygienic standard for honey

GB 15203 Hygienic Standard of corn sweetener

5 Sensory examination

Rock sugar shall be uniformly white or golden yellow, translucent, with crystal luster, pure sweetness, no peculiar smell or obvious impurities.

6 Physical and chemical testing

6.1 Lead

Operate according to 4.1.

6.2 Arsenic

Operate according to 4.2.

6.3 Copper

Operate according to GB/T 5009.13.

6.4 Sulphur dioxide

Operate according to GB/T 5009.34.

Cube sugar

It is suitable for the analysis of various health indicators in cube sugar processed with white granulated sugar.

7 Sensory examination

Cube sugars shall be white in color, smooth in surface, regular in shape, uniform in crystal, compact in structure, free of impurities or odor.

8 Physical and chemical testing

8.1 Lead

Operate according to 4.1.

8.2 Arsenic

Operate according to 4.2.

from natural honey brewed by Chinese bees and their hybrid bees.

11 Sensory examination

11.1 A viscous, transparent or translucent, colloidal liquid at room temperature. Crystallization can occur at low temperatures.

11.2 The color shall be light amber to dark amber in the liquid state.

11.3 It shall have a floral scent unique to honey-source plants, with a sweet taste and no peculiar smell.

11.4 In case of visual observation, there shall be free of dead bees, larvae, wax chips and other impurities.

It shall meet the requirements of GB 14963.

12 Physical and chemical testing

12.1 Lead

Operate according to GB/T 5009.12.

12.2 Zinc

Operate according to GB/T 5009.14.

12.3 Tetracycline

Operate according to GB/T 5009.95.

Brown sugar

It is suitable for the analysis of various health indicators in brown-red or yellow granulated sugar made from sugarcane or sugar beet as raw materials, processed by pressing, cooking, etc.

13 Sensory examination

The grain is uniform, the color is brownish red or yellow, sweet and slightly molasses, no deliquescent or moldy phenomenon, no visible foreign objects, no odor. It shall comply with the requirements of GB 13104.

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