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

GB/T 22465-2026

Replacing GB/T 22465-2008

Safflower seed oil

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 22465-2008 "Safflower Seed Oil". Compared with GB/T 22465-2008, the main differences are structural adjustments and editorial changes. Aside from the changes, the main technical changes are as follows:

---Some terms and definitions have been changed (see 3.1~3.5, and 3.1, 3.4, 3.5, 3.2, and 3.3 in the.2008 edition);

---Some terms and definitions have been deleted (see 3.6~3.18 of the.2008 edition);

---The classification has been changed (see Chapter 4, Chapter 4 of the.2008 edition);

---The basic composition and main physical parameters, as well as the quality indicators, have been changed (see 5.1, 5.2, and

5.2 in the.2008 version);

---Hygiene indicators, restrictions on additive use, and authenticity requirements have been removed (see sections 5.3-

5.5 of the.2008 edition);

---Some testing methods have been changed (see Chapter 6, Chapter 6 of the.2008 edition).

---General inspection rules (see 7.1) and sampling (see 7.2) have been added, and the rules for factory inspection, type inspection, and judgment (see 7.3~) have been revised.

7.5 (7.1~

7.3 in the.2008 edition);

4 Classification

4.1 Safflower seed oil is divided into crude safflower seed oil and finished safflower seed oil according to the degree of processing.

4.2 Safflower seed oil is divided into pressed safflower seed oil and extracted safflower seed oil according to different processing techniques.

4.3 Based on the different main fatty acid compositions in safflower seed oil, it is divided into high oleic acid safflower seed oil and high linoleic acid safflower seed oil.

5 Quality Requirements

5.1 Basic Components and Main Physical Parameters The basic composition and main physical parameters of safflower seed oil should conform to the specifications in Table

1. These main components and parameters represent the basic composition of safflower seed oil. This characteristic should be used for reference only when used to determine authenticity. The total sterols and sterol composition of safflower seed crude oil are shown in Appendix A.

5.2 Quality Indicators

5.2.1 Quality Indicators of Safflower Crude Oil The quality indicators of safflower seed crude oil should meet the requirements of Table 2.

5.2.2 Quality Indicators of Finished Safflower Seed Oil The quality indicators of finished safflower seed oil should meet the requirements of Table 3.

6 Test methods

6.1 Relative density test. Performed in accordance with GB/T 5526.

6.2 Fatty acid composition test. Performed in accordance with GB 5009.168.

6.3 Transparency, odor and taste tests. Performed in accordance with GB/T 5525.

6.4 Color inspection. Performed in accordance with GB/T 5009.37-2003.

6.5 Moisture and volatile matter content testing. Performed in accordance with GB 5009.236.

6.6 Test for insoluble impurities. Performed in accordance with GB/T 15688.

6.7 Acid value test. Performed in accordance with GB 5009.229.

6.8 Peroxide value test. Performed in accordance with GB 5009.227.

6.9 Solvent residue test. Performed in accordance with GB 5009.262.

6.10 Test for sterol composition and total sterol content. Performed in accordance with GB/T 25223.

7 Inspection Rules

7.1 General Rules for Inspection It should be implemented in accordance with GB/T 5490.

7.2 Sampling It should be implemented in accordance with GB/T 5524.

7.3 Factory Inspection

7.3.1 Each batch shall be inspected and an inspection report shall be issued.

7.3.2 The crude safflower seed oil shall be inspected according to the items specified in Table 2, and the finished safflower seed oil shall be inspected according to the items specified in Table 3.

7.4 Type Testing

7.4.1 Type testing shall be conducted when there are significant changes in raw materials, equipment, or processes, or when required by supervisory and management authorities.

7.4.2 All items specified in Chapter 5 shall be tested. If one or more test results do not conform to the specifications in Table 1, [the test results may be cancelled]. The safflower seed raw materials used to produce this batch of products were inspected and verified.

7.5.1 If any item fails to meet the requirements of

5.1 upon inspection, the oil extracted from the safflower seeds used to produce that batch of products shall be used for testing. If the test results are inconsistent with the test results of the sample, the product is deemed unqualified.

7.5.2 If the finished safflower seed oil product does not indicate its quality grade, it shall be deemed unqualified.

7.5.3 If any item in the safflower seed crude oil product fails to meet the requirements of Table 2 during inspection, it shall be deemed unqualified. The finished safflower seed oil product shall be inspected... If any item fails to meet the value specified in Table 3, the product is deemed to be non-compliant with the corresponding grade.

8 Labeling

8.1 Product names should be labeled according to the terms and definitions.

8.2 The processing technology and product grade should be indicated on the packaging or accompanying documents.

9.1 Packaging

9.1.1 It shall comply with GB/T 17374 and relevant national regulations and requirements.

9.1.2 Packaging and storage graphic symbols shall comply with the provisions of GB/T 191.

9.2 Storage

9.2.1 It should be stored in a clean, cool, dry, and dark place, and should not be stored with harmful or toxic substances, especially away from abnormal odors. Items with a strong flavor.

9.2.2 If the shelf life of a product depends on certain special conditions, this should be indicated on the label.

9.3 Transportation

9.3.1 Prepackaged products should be protected from sunlight, rain, leakage, contamination, and label detachment during transportation.

9.3.2 Bulk transportation shall comply with the requirements of GB/T 30354, and dedicated vehicles shall be used to keep the vehicles clean, hygienic and free from pollution.

9.4 Sales Finished safflower seed oil should not be sold in bulk outside of its original packaging at retail outlets.