

ICS 67.200.10

CCS X 14



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

GB/T 21123-2025

Replacing GB/T 21123-2007

Nutrition fortification - Edible oil and fat fortified with vitamin A

营养强化 维生素A食用油

Issued on: December 31, 2025

Implemented on: July 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Quality Requirements
- 5 Test methods

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 21123-2007 "Edible Oils Fortified with Vitamin A". Compared with GB/T 21123-2007, the following changes are made. Aside from structural adjustments and editorial changes, the main technical changes are as follows:

---Terminology and definitions have been changed (see Chapter 3, Chapter 3 of the.2007 edition);

---The ranking system has been removed (see Chapter 4 of the.2007 edition);

---The quality metrics have been changed (see 4.1, 5.1 in the.2007 edition);

---The relevant hygiene requirements have been removed (see sections 5.4 of the.2007 edition);

---The testing methods for hygiene indicators have been removed (see section 6.3 of the.2007 edition);

---The factory inspection has been changed (see 6.3, 7.3 in the.2007 version);

---Type testing has been added (see 6.4);

---The general requirements for labeling and marking have been removed (see

1 Scope

GB/T 21123-2025 is the Chinese national standard covering cooking oil fortified with

vitamin A - the addition level, the stability of the vitamin through storage and frying, which is the whole difficulty, and the labelling. Oil fortification is one of the standard public health interventions against vitamin A deficiency. It replaces GB/T 21123-2007. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 21123-2007. The document is under the responsibility of the National Food and Strategic Reserves Administration. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document defines the terminology and definitions for vitamin A-fortified edible oils, and specifies their classification, quality requirements, testing methods, and inspection procedures. This includes rules, labeling, packaging, storage, transportation, and sales. This document applies to vitamin A-fortified edible oils processed from edible vegetable oils.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 5009.82 National Food Safety Standard. Determination of Vitamins A, D, and E in Food

GB/T 5524 Sampling of animal and vegetable oils

GB 14880 National Food Safety Standard - Standard for the Use of Food Fortification Agents

GB/T 17374 Packaging for the sale of edible vegetable oils

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Edible oils made from various edible vegetable oils, with added vitamin A according to the usage amount specified in GB 14880.

4 Quality Requirements

4.1 Quality Indicators It should be implemented in accordance with the relevant national and industry standards for edible vegetable oil products.

4.2 Vitamin A fortification level It should be carried out in accordance with the provisions of GB 14880.

5 Test methods

5.1 Quality inspection of edible oils. The inspection shall be carried out in accordance with the inspection methods specified in the relevant national and industry standards for edible vegetable oil products.

5.2 Vitamin A content test. Performed according to GB 5009.82.

chinastandards.org · PREVIEW