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

GB/T 46295-2025

Seabuckthorn 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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the National Food and Strategic Reserves Administration. This document is under the jurisdiction of the National Technical Committee on Standardization of Grain and Oil (SAC/TC270). This document was drafted by: Jiangnan University, Baoderui (Hubei) Health Industry Co., Ltd., Xinjiang Zhongke Seabuckthorn Technology Co., Ltd., and Hebei Shen Xinghaibuckthorn Research Institute, Plateau Sacred Fruit Seabuckthorn Products Co., Ltd., Altay Sunstone Health Industry Development Co., Ltd., Inner Mongolia Yuhangren Biotechnology Engineering Technology Co., Ltd., Inner Mongolia Desert Flower Ecological Industry Technology Co., Ltd., Chengde Yuhangren Alpine Plant Application Technology Co., Ltd. Company, Qinghai Kangpu Biotechnology Co., Ltd., Shanxi Wutaishan Seabuckthorn Products Co., Ltd., Shanxi Kelin Biotechnology Development Co., Ltd. Xinjiang Gobi Memory Brand Management Co., Ltd., Nanjing Youlequan Biotechnology Co., Ltd., Xinjiang Jicuiyuan Agricultural Technology Co., Ltd., Central China Agricultural University. The main drafters of this document are. Wang Xingguo, Zhao Chenwei, Jin Qingzhe, Luo Huibing, Xu Jun, Nie Yong, Liu Yucheng, Yin Liqiang, Deng Zeqiang, and Chang Ming. Xu Xiaoyun, Wang Jie, Xu Junjiu, Yue Lihua, Sun Yunwu, Zhao Zhikan, Ning Jubao, Chen Yan, Li Xiaojun, Tao Tongsheng, Zhang Tao. Sea buckthorn seed oil

1 Scope

GB/T 46295-2025 is the Chinese national standard covering seabuckthorn seed oil as a product - the fatty acid profile that distinguishes the seed oil from the pulp oil, the unsaponifiable matter and the carotenoids and tocopherols it is bought for, the peroxide value, and the adulteration checks. First edition, under the National Food and Strategic Reserves Administration. In force from 1 May 2026. Issued on 5 October 2025, it has been

in force since 1 May 2026.

This document defines the terminology for sea buckthorn seed oil and specifies the requirements for quality, inspection rules, labeling and packaging, storage, transportation, and sale. The corresponding testing methods are described. This document applies to edible sea buckthorn seed oil.

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/T 191 Pictorial Symbols for Packaging and Storage

GB/T 5009.37 Analytical methods for hygienic standards of edible vegetable oils

GB 5009.168 National Food Safety Standard - Determination of Fatty Acids in Food

GB 5009.236 National Food Safety Standard - Determination of Moisture and Volatile Matter in Animal and Vegetable Oils

GB/T 5490 General Rules for Inspection of Grains and Oils

GB/T 5524 Sampling of animal and vegetable oils

GB/T 5525 Methods for Identifying the Transparency, Odor, and Taste of Vegetable Oils

GB/T 5526 Determination of the relative density of animal and vegetable oils

GB/T 5527 Determination of refractive index of animal and vegetable oils

GB/T 5532 Determination of iodine value in animal and vegetable oils

GB/T 15688 Determination of Insoluble Impurities in Animal and Vegetable Oils

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

GB/T 30354 Specification for Bulk Transportation of Edible Vegetable Oils

3 Terms and Definitions

The following terms and definitions apply to this document. 3.1

4 Quality Requirements

4.1 Basic Components and Main Physical Parameters The main physical parameters and main fatty acid composition of sea buckthorn seed oil should conform to the specifications

in Table

1. These parameters and compositions represent the characteristics of sea buckthorn seed oil. Basic characteristics, when used for authenticity determination, are for reference only.

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