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

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Lacquer tree fruit

漆树籽

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the State Administration of Grain and Material Reserves. This document is under the jurisdiction of the National Technical Committee on Standardization of Cereals and Oils (SAC/TC 270). This document was drafted by: Kunming Grain, Oil and Feed Product Quality Inspection Center, National Grain and Material Reserves Administration Standard Quality Center, Wuhan University of Technology, Institute of Forest Products Chemical Industry, Chinese Academy of Forestry, Xi'an Lacquer Coatings, All-China Federation of Supply and Marketing Cooperatives Research Institute, Nujiang Gaolishan Biotechnology Co., Ltd. The main drafters of this document are. Li Weixiang, Long Lingli, Xu Guangchao, Lü Shidong, Wang Chengzhang, Zhang Feilong,

Wang Shengwen, Yin Yanmei, Zhang Jiguang and Luo Zhi. *Rhus sutchuenensis* seeds

1 Scope

GB/T 44618-2024 specifies the fruit of the lacquer tree, *Toxicodendron vernicifluum*. The tree is grown in China for its sap, the raw material of true lacquer, and the fruit is a second crop from the same plantation: the waxy mesocarp yields Japan wax, used in cosmetics, candles and coatings, and the kernel yields an oil. The material is traded between growers and processors on characteristics that need defining - the proportion of true seed in a consignment above all, which is what determines the wax yield. The standard sets the quality requirements, the inspection methods, the inspection rules covering sampling, batching and the decision rules, the labelling and marking, and the packaging, storage and transport provisions, with a normative annex giving the determination of the lacquer seed content. It takes effect on 1 April 2025.

This document defines the terminology of *Rhus verniciflua* seeds and specifies the quality requirements, inspection rules, labelling and identification, and requirements for packaging, storage and transportation. The test method is described. This document applies to the acquisition, storage, transportation, trade and processing of commercial *Rhus verniciflua* seeds for oil production.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

GB 5009.3 National Food Safety Standard Determination of Water Content in Food

GB/T 5490 General Rules for Inspection of Grain and Oil

GB/T 5491 Sampling and subsampling methods for grain and oilseed inspection

GB/T 5492 Grain and oil inspection - Identification of color, smell and taste of grain and oil

GB/T 5494 Inspection of grains and oils Inspection of impurities and imperfect grains in grains and oils

GB/T 8946 General technical requirements for plastic woven bags

GB/T 14488.1 Determination of oil content in vegetable oils

GB/T 24904 Grain Packaging Sacks

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 The fruit of *Toxicodendron* consists of a seed coat (3.2) and a seed core (3.3), which contains a kernel.

3.2 Mesocarp The pulp of the sumac seed includes the exocarp and the mesocarp.

3.3 The kernel of lacquer tree seed after removing the seed coat.

3.4 Moldy Kernel Grains with mold on the surface.

3.5 Impurities Materials that pass through specified sieves and have no use value. Note

1. Includes undersize, inorganic impurities and organic impurities. Note