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

GB/T 46678-2025

**Grain and oil machinery - Testing equipment for paddy quality
grading during procurement**

粮油机械 稻谷收购定等检测设备

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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: China National Grain Wuhan Scientific Research and Design Institute Co., Ltd., Beijing Tiankai Huazun Technology Co., Ltd., and Zhejiang Bethlehem Instruments. Equipment and Technology Co., Ltd., Central South University of Forestry and Technology, China Grain Reserves Chengdu Research Institute Co., Ltd., Beijing Guomao Dongfu Engineering Technology Co., Ltd. The company includes Hunan Chenzhou Grain and Oil Machinery Co., Ltd. and Beijing Zhongyi Intelligent Control Technology Co., Ltd. The main drafters of this document are. Guo Yali, Xie Jian, Lin Qinlu, Zhang Chaofu, Hao Peiwen, Zhu Bin, He Yun, Li Zhifang, Yang Xihua, Han Lei, and Wang Ming. Ma Lin, Lin Xinguang, Lin Xin'en, Ding Yuqin, Li Xiaoliang, Guo Weiqun, Zhao Donghai, Wu Jiejun, Guo Fengmin, Zuo Jiarui, Yang Huibin, Zhou Junmei, Li Yong Luo Yao. Grain and oil machinery, rice purchasing and grading testing equipment

1 Scope

GB/T 46678-2025 is the Chinese national standard covering the equipment that grades paddy at the buying point - the moisture, impurity and head rice yield measurements made in minutes at the weighbridge, the accuracy required, and the traceability of a result that decides what the farmer is paid. First edition, under the National Food and Strategic Reserves Administration. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

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 Packaging and Storage Graphic Symbols GB 1350 Rice

GB/T 3768 Acoustic pressure method for determining the sound power level and sound energy level of a noise source using a simplified measurement method based on the envelope above the reflecting surface. Easy Method

GB 5009.3 National Food Safety Standard - Determination of Moisture in Food

GB/T 5226.1 Electrical Safety of Machinery - Electrical Equipment of Machinery - Part

GB/T 5494 Grain and Oil Inspection. Inspection of Impurities and Defective Grains in Grains and Oilseeds

GB/T 5495 Grain and Oil Inspection - Rice Paddy Yield Test

GB/T 7551 Weighing Sensors

GB/T 7724 Electronic Weighing Instruments GB/T 13306 Nameplates

GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products

GB/T 19878 General Technical Conditions for Grain Moisture Analyzers Based on Capacitance and Resistance Methods

GB/T 24855 General Technical Requirements for the Assembly of Grain and Oil Machinery

GB/T 24856 General Technical Requirements for Castings of Grain and Oil Machinery

GB/T 24857 General Technical Conditions for Plate Parts and Plate-Shaped Steel Components of Grain and Oil Machinery

GB/T 25218 General Technical Requirements for Coating of Grain and Oil Machinery Products

GB/T 26894 Vibrating Cleaning Screen for Grain and Oil Machinery

GB/T 29898 Grain and Oil Machinery - Rubber Roller Rice Hullers

GB/T 36091 Grain sieves for grain and oil machinery inspection

GB/T 36139 Method for Compiling Product Model Numbers for Grain and Oil Machinery

GBZ 158 Occupational Hazard Warning Signs in the Workplace