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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 46297-2025

Grain and oil machinery - Aspiration screening combination cleaning machine for raw grain

粮油机械 原粮风筛组合清理装置

Issued on: October 5, 2025 **Implemented on: May 1, 2026**

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Standardization Administration of the PRC

Table of Contents

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). The main drafting units of this document are. Zhengzhou COFCO Research & Design Institute Co., Ltd., Sichuan Guanghan Energy Storage Equipment Manufacturing Co., Ltd., and Jieshou. Xinlong Grain and Oil Machinery Processing Co., Ltd., Shandong Changjiang Grain and Oil Storage Machinery Co., Ltd., Wujiang Grain Machinery Co., Ltd., Hebei Pingle Noodles Powder Machinery Group Co., Ltd. The main drafters of this document are. Zong Yang, Zhu Jinlin, Wang Yong, Zhu Huiping, Li Yunxiao, Huang Zuoming, Zhang Zhen, Yang Changhai, Shen Yiqing, and Wu Jieqiong. Yang Yingya. Grain and oil machinery raw grain air screen combined cleaning device

1 Scope

GB/T 46297-2025 is the Chinese national standard covering the combined screen and air cleaner - the sieves that take out what is larger and smaller than the grain and the air stream that takes out what is lighter, the cleaning efficiency and the good grain lost with the rejects, and the dust extraction. 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.

2.Respirable dust concentration LS/T 3501.6 General Technical Requirements for Welded Components of Grain and Oil Processing Machinery

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 2894 Safety Colors and Safety Signs

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/T 5210 Paints and varnishes - Pull-off adhesion test

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 8874 General Technical and Equipment Terminology for Grain and Oil Products GB/T 13306 Nameplates

GB/T 24854 General Technical Requirements for Packaging of Grain and Oil Machinery Products

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 26631 Terminology, Physicochemical Properties and Quality of Grains and Oils GBZ /T 192.2 Determination of dust in workplace air - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 8874 and GB/T 26631, as well as the following terms and definitions, apply to this document.

3.1 The mass fraction of the impurities removed relative to the total impurities contained in the raw grain entering the machine.

Note. The impurities removed may contain a small amount of grain, which is also included in the calculation.

3.2 The mass fraction of grain contained in the removed impurities relative to the total amount of removed impurities.