

ICS 67.260

CCS X 91



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

GB/T 35322-2017

Grain and oil machinery - Emery roll whitening machines

粮油机械 砂辊碾米机

Issued on: December 29, 2017

Implemented on: July 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of the PRC**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard proposed by the State Food Administration. This standard by the National Cereals and Oils Standardization Technical Committee (SAC/TC270) centralized. This standard was drafted by the State Food Reserve Bureau of Wuhan Institute of Scientific Research. The main drafters of this standard. Wang Hui, Liu, Long Jiying, Zhang Fu, Li Zhi Fang. Grain and oil machinery sand roller rice machine

1 Scope

China's national standard for emery roll rice whitening machines. It specifies the terms and definitions, the working principle, the classification, the models and basic parameters, the technical requirements, the test methods, the inspection rules and the marking, packaging, storage and transport. Whitening is the operation that turns brown rice into white: the bran layers are abraded off the kernel by passing it under pressure between a rotating abrasive roll and a perforated screen. Doing it well is a matter of removing the bran and not the kernel. Rice is brittle, and a broken grain is worth a fraction of a whole one, so the whole design of the machine is a compromise between the pressure needed to remove bran and the pressure at which grains fracture. Emery rolls take more bran per pass than the iron friction type and are gentler on the grain, which is why they are used for the first passes. The machine is also where most of a rice mill's electricity goes, so its efficiency is a real operating cost.

This standard specifies the terms and definitions of sand roller rice mill, working principle, classification, type, basic parameters, technical requirements, test methods, seized Inspection rules, marking, packaging, storage and shipping requirements. This standard applies to brown rice processed into white rice sand roller rice machine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 699-2015 high-quality carbon structural steel

GB/T 3768 Acoustics sound pressure method for the determination of noise source sound power level above the reflective surface using envelope measurement of surface simple method

GB 5226.1 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General specifications

GB/T 5491 grain, oil test sampling, sub-sample method

GB/T 5503 grain oil test broken rice inspection method

GB/T 8875 Cereals and Oils Milling Industry

GB/T 9239.1 mechanical vibration constant (rigid) rotor balance quality requirements - Part 1. Specification and balance of tolerance test

GB/T 9239.2-2006 Mechanical vibration constant (rigid) rotor balance quality requirements - Part 2. Balance error

GB/T 12620 oblong holes, rectangular holes and holes sieve GB/T 13306 signs GB/T 18810 brown rice

GB/T 23821 Safety of machinery to prevent upper and lower limbs reach the safe distance of the danger zone

GB/T 24854 General technical requirements for grain and oil mechanical product packaging

GB/T 24855 General technical requirements for grain and oil mechanical assembly General technical requirements for grain and oil machinery casting

3 Terms and definitions

GB/T 8875 defined and the following terms and definitions apply to this document.

3.1 Sand roll rice machine emeryrolwhiteningmachine Roll for the roll of rice milling machine collectively.