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

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Grain and oil machinery - Grind mills

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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. Pei training, Xu Zhaoyong. Grain and oil machinery convex tooth de germ mill

1 Scope

China's national standard for the grinding mills used in grain and oil processing. It specifies the terms and definitions, the working principle, the models and basic parameters, the technical requirements, the test methods, the inspection rules and the marking, packaging, storage and shipping. The machine grinds by passing material between a rotating disc and a fixed one, and the gap between them sets the fineness. In maize milling it is what separates the germ from the endosperm - the germ is tough and oily and flattens rather than shattering, so a correctly set mill breaks the endosperm away and leaves the germ in a size that can be screened out and pressed for oil. That separation is worth doing carefully, because germ left in the meal takes its oil with it and the meal then goes rancid in storage. The parameters that matter are the disc profile, the gap adjustment and how the machine holds that gap as the discs wear, which is what the technical requirements address.

This standard specifies the terms and definitions of convex deger embryo grinding, working principle, model, basic parameters, technical requirements, test methods, test rules Then, the logo, packaging, storage and shipping requirements. This standard applies to corn germ, skin and endosperm separation of convex degerming.

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 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/T 5009.2 Determination of the relative density of foodstuffs

GB 5226.1 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General specifications GB/T 13306 signs

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

GB/T 24856 General technical requirements for grain and oil mechanical plates and steel plate members GB/T 24857

GB/T 25218 General technical requirements for coating of grain and oil machinery products

GBZ 158 Occupational hazards in the workplace warning labels

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Convex de germ grindmil Wet corn wet processing process, so that after a reasonable soaking the first coarse corn crushing and corn after the embryo to mention the second crushing of coarse, The rough crushing equipment to separate embryos, skins and endosperm from each other is achieved.

3.2 Degermination rate After the corn is decontaminated by the convex detritus mill, the corn kernels that have peeled off the embryos accounted for the mass fraction of the total corn entering the degerming mill.

4 Working principle

After reasonable soaking (corn water content should not be less than 45%) or by a broken embryo embryos after the introduction of embryo corn, block under gravity, From the feed pipe into the centrifugal force and into the action of the teeth with teeth, fixed teeth between the plate, due to the action of fixed gear plate relative to the movement of the role of jade Mie embryo, dander and endosperm due to different physical characteristics after soaking get different degrees of crushing and peeling each other.