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

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Grain and oil machinery - Disc dehulling columns

粮油机械 碟式汽提塔

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed by the National Grain and Material Reserve Bureau. This standard is under the jurisdiction of the National Grain and Oil Standardization Technical Committee (SAC/TC270). This standard was drafted. Xi'an COFCO Engineering Research and Design Institute Co., Ltd., Shandong Kasida Machinery Manufacturing Co., Ltd. The main drafters of this standard. Wei Bing, Liu Runmin, Li Wubao, Lin Fengyan, Wang Changwen. Grain and oil machinery disc stripper

1 Scope

China's national standard for disc dehulling columns in grain and oil processing. It specifies the terms and definitions, the working principles, the technical requirements, the test methods, the inspection rules and the marking. Dehulling removes the seed coat before the kernel is processed, and it is worth doing for two reasons that compound: the hull contains almost no oil, so it dilutes everything downstream and absorbs oil it will not give back, and it is high in fibre, so removing it raises the protein content of the meal into the range where it can be sold for higher value feed. The difficulty is that the hull and the kernel are attached, and separating them without shattering the kernel is a matter of applying just enough shear. Too gentle and the hulls stay on; too aggressive and the kernel fragments, after which hull and kernel pieces are the same size and no separator will tell them apart. The disc column applies that shear in stages, which is what makes the adjustment possible.

This standard specifies the terms and definitions, working principles, technical requirements, test methods, inspection rules, and identification of grain and oil machinery disc stripper. As well as packaging, storage and shipping requirements. This standard is applicable to the dish-type stripper which is directly steam-dissolved by a steamed and steamed mixed oil in the process of oil leaching.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the

latest edition (including all amendments) applies to this document.

GB 150-2011 (all parts) pressure vessel

GB/T 191 packaging storage and transportation icon General rules for

GB/T 4272 equipment and pipeline insulation technology

GB 5009.262 Determination of Solvent Residues in Foods

GB/T 8873 Grain and oil terminology GB/T 13306 signage

GB/T 24854 Grain and oil machinery product packaging general technical conditions
General technical conditions for

GB/T 24855 grain and oil machinery assembly General technical conditions for

GB/T 24857 grain and oil machinery plate and plate steel components

GB/T 25218 General technical requirements for the coating of grain and oil machinery
products NB/T 47013.2 Non-destructive testing of pressure equipment - Part 2.

Radiographic testing LS/T 3543 Vegetable Oil Leaching Complete Equipment Acceptance
Technical Conditions TSG21 fixed pressure vessel safety technical supervision procedures

3 Terms and definitions

The following terms and definitions as defined in GB/T 8873 apply to this document.

3.1 Mixed oil miscela a mixture of grease and solvent.

3.2 Mixed oil stripping miscela stripping A step of substantially removing a small amount of
solvent in the concentrated mixed oil by the principle of steam distillation.

3.3 Disc stripper disk stripping column A dish-shaped disc set is used as a stripping device
for the contact surface of water vapor and concentrated mixed oil.