

ICS 65.060

CCS B 93



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

**GB/T 30472-2013**

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**Technical specification of complete sets of feed processing  
equipment**

饲料加工成套设备技术规范

**Issued on: December 31, 2013**

**Implemented on: October 1, 2014**

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**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 GB/T 1.1-2009 given rules. The standard proposed by China Machinery Industry Federation. This standard by the national feed machinery Standardization Technical Committee (SAC/TC384) centralized. This standard was drafted. Institute of Huazhong Agricultural University, Wuhan Myung-bak Electrical Co., Ltd., Jiangsu Shepherd Group Co., China's agriculture University Institute of Technology. The main drafters of this standard. force cases, cattle have wisdom, Wulong Bing, Tan cranes, Wangshun Xi, Guo Xueyuan, An Wenbo, Yang Liming, Liu Meiyong, Li Jincheng, Zhushi Chuan. Feed processing equipment specifications

## 1 Scope

China's national technical specification for complete sets of feed processing equipment. It specifies the terms and definitions, the requirements, the test methods and the acceptance procedure for such plant, and it applies to the design, manufacture, installation, commissioning and acceptance of equipment used in the industrial production of livestock, poultry and aquaculture feed, concentrated feed and concentrate supplement feed. It does not apply to premix processing equipment. The subject is a whole factory rather than a machine: raw material intake and cleaning, grinding, batching and weighing, mixing, conditioning, pelleting or extrusion, cooling, crumbling, screening, liquid addition, and packing, together with the pneumatic conveying, aspiration and computer control that tie them together. Specifying it as a set rather than as individual machines is the point of the document, because in feed milling the capacity and the product quality of the plant are properties of the combination and not of any one machine: a mixer that meets its own specification will still produce an out-of-tolerance mix if the batching scales upstream are wrong, and a pellet mill will not reach its rated output if the conditioner cannot deliver enough steam. The requirements therefore cover the equipment series and specifications, the technical parameters, the process design, the base machinery, the computer control system, installation, commissioning, painting, and occupational health and safety - the last of these carrying real weight, since a feed mill is a dust, noise and explosion environment. Three normative annexes give the processing quality indicators for aquaculture feed, the recommended test formulations, and the test methods for those indicators. Issued on 31 December 2013 and in force since 1 October 2014.

This standard specifies the terms and definitions feed processing equipment, requirements, test methods and acceptance. This standard applies to industrial production of livestock and poultry and aquatic feed, concentrated feed and concentrate supplement feed processing equipment design, manufacture Manufacture, installation, commissioning and acceptance (hereinafter referred to as equipment). This standard does not apply to pre-mixed feed processing equipment.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. GB Z1-2010 Design of Industrial Enterprises hygiene standards GB Z

2.2 Workplace Hazardous Occupational Exposure Limits - Part 2. physical factors GB Z/T 189.8 workplace physical factors measurement - Part 8. Noise GB Z/T 192.1 Determination of dust in the air of workplace Part 1. The total dust concentration

GB/T 2893.2 Graphical symbols - Safety colors and safety signs - Part 2. Design principles for product safety labels GB 2893 Safety colors

GB 2894 Safety Signs and use guidelines

GB/T 3797 Electric Control Equipment

GB 4053.1 fixed ladders and platforms - Safety requirements - Part 1. Steel ladders

GB 4053.2 fixed ladders and platforms - Safety requirements - Part 2. Steel LADDER

GB 4053.3 fixed ladders and platforms - Safety requirements - Part 3. Industrial guardrails and steel platform

GB 5226.1 mechanical and electrical safety of machinery - Electrical equipment - Part 1. General requirements

GB/T 5917.1 Determination of Particle Size of Feed two sieve method Determination of

GB/T 5918 feed product mix uniformity Determination of moisture and other volatile matter content

GB/T 6435 feed Basic identification colors

GB 7231 industrial piping, identifying symbols and safety identification

GB/T 9969 General Instructions industrial products