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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 30189-2013

Code of dust control for flax raw material production

亚麻原料生产行业防尘技术规程

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Foreword

The standard Chapter 6, 7.1,

7.2 are mandatory, others are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard was proposed by the State Administration of Work Safety. This standard by the National Safe Production Standardization Technical Committee of dust and poison Technical Committee (SAC/TC288/SC7) centralized. This standard was drafted. scientific research center in Heilongjiang Province labor security technology, Heilongjiang Province Production Safety Management Association, Harbin Tian Yuan Labor safety technology development limited liability company. The main drafters of this standard. Liang, Zhao Rui, Chen Jia, Li Yuwei, Yu Jing, Li Sheng, Xie Tian Cheng, Xu Zhidong. Dust production industry Technical specification of raw flax

1 Scope

GB 30189-2013 is the Chinese national standard on code of dust control for flax raw material production, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a

practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2014. Classification: ICS 13.100, CCS C70. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the flax industry in the production of raw materials and dust General, site selection, plant and plant, process technology requirements for dust, dust sealed source Dust removal and ventilation measures, personal protection and dust control measures. This standard applies to producers of raw flax dust-proof design, transformation and management of occupational health.

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 2894 Safety Signs and use guidelines

GB/T 11651 Personal protective equipment selection specification

GB/T 16758 hood classification and technical conditions

GB 19881 flax fiber processing system, dust explosion safety rules

GB 50016 architectural design code for fire protection

GB 50019 Heating, ventilation and air conditioning design

GB 50057 Lightning in design

GB 50058 Explosion and fire hazard electrical installation design specifications

GB 50187 for General graphic design specification GB Z

1 Design of Industrial Enterprises hygiene standards GB Z2.1-2007 Workplace Hazardous Occupational Exposure Limits - Part 1. Chemical hazardous agents GB Z158 workplace occupational hazard warning labels GB Z159 workplace air sampling regulate hazardous substances monitoring GB Z188 Occupational Health Surveillance Technical Specification GB Z/T 192 (all parts) Determination of dust in the air of workplace Workplace occupational health supervision and management regulations (State Administration of Work Safety Order No. 47)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Production of Flax Material flaxrawmaterialproduction The whole process of preparation of textile flax fibers from flax stems.

3.2 Ventilation ventilation Using natural or mechanical methods, ventilation of a space to create health, safety and other suitable air environment technologies.

3.3 Dust dustremoval Capture technology, the dust stream separation of dust and other solid particles.

3.4 Secondary dust dustreentrainment Deposited on the surface of the device and the envelope of dust in the external force re-suspended in the air phenomenon.

4 General

4.1 raw flax producers dust work should adhere to prevention, combining prevention with control, the principle of comprehensive management, to take strict measures to control dust , Coping produce workplace dust, dust-proof set production equipment and facilities, comprehensive management of dust hazards, ensure workplace air Gas and dust concentration gauge multiples meet the requirements of GB Z2.1-2007.

4.2 new construction, renovation and expansion project investment dustproof construction equipment and facilities should be included in the project budget to deal with the feasibility study phase of the project Pre-evaluation of occupational hazards, dust-proof equipment and facilities with the main project should be designed, constructed and put into production acceptance and use of hand Line control of occupational hazards Evaluation. Workplaces

4.3 Where raw flax production generated dust hazards, production technology and equipment, dust-proof equipment and facilities should be designed in line with GB 50019, GB Z1 and dust in the ventilation requirements. Capital investment

4.4 flax producers of raw materials should be dust-proof equipment and facilities, maintenance of equipment and facilities of dust, maintenance, renovation should be included in prices Industry production and maintenance program to ensure the normal operation of equipment and facilities and the use of dust.

4.5 flax producers of raw materials to introduce the project shall comply with other countries and industries about dust. Where a set of technologies from abroad and set up Prepared, it should also be introduced or equipped with the appropriate technology and equipment dust. Statutory occupational hazards of occupational diseases listed in the catalog of

4.6 flax producers of raw materials should be present in the enterprise, timely and truthfully to the local security Full production supervision and management departments to declare,

subject to their supervision. 5 site, the plant and the plant

5.1.1 new construction, renovation and expansion of the site selection flax producers of raw materials should be away from residential areas, schools, hospitals and other densely populated areas, located Downstream drinking water sources, the minimum annual frequency of wind direction densely populated areas of the upwind side.

5.1.2 raw flax production enterprises should avoid siting natural foci, or the existence of possible risks to health sites and facilities.

5.1.3 should be set between flax producers of raw materials and from the densely populated areas of health protection, health protection distance according to Appendix A to select. plant Other aspects related to site selection should be consistent with GB 50187, GB Z1 requirements.

5.2 Plant

5.2.1 General layout of enterprises, including construction (structures) the status quo, the proposed location of buildings, roads, health protection and greening should be consistent GB 50187, GB Z1 requirements.

5.2.2 Enterprises total site layout should be clear partition function can be divided into production areas, office and living areas, auxiliary production area. Its project site should According to the requirements of GB 50187, combined with the nature of an enterprise scale, production processes, transportation, space natural conditions, technical and economic conditions and other reasonable layout.

5.2.3 Production areas should be selected in the atmospheric pollutant dispersion conditions are good location, arranged on the upwind side of the plant annual minimum frequency of wind direction; students office Living area is arranged at the wind plant annual minimum frequency wind side; auxiliary production region disposed therebetween. GB

5.2.4 should be between the production area and office and living areas set 50187 Health Protection and green shelter belts in the health protection distance Shall not be set within the residence of the house.

5.3 Plant

5.3.1 raw flax production plant type and arrangement shall meet the following requirements.

a) shall be in the form of single-storey buildings, and should have a window factory;

b) the spacing between adjacent structures should be greater than two rooms of high buildings twice the average value;

c) the longitudinal axis of the plant should be perennial dominant wind direction to 60 ° ~ 90 ° angle; when the number of factory buildings arranged in parallel, the longitudinal axis of