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

GB/T 2930.6-2017

Replacing GB/T 2930.6-2001

**Rules of seed testing for forage, turfgrass and other
herbaceous plant -- Seed health testing**

Issued on: November 1, 2017

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Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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2001 edition of the cover);

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Foreword

GB/T 2930 "grass seed inspection procedures" is divided into 11 parts.

--- GB/T 2930.1 Grass seed testing procedures sample;

--- GB/T 2930.2 Grass seed testing procedures Clarity analysis;

--- GB/T 2930.3 grass seeds test procedures Determination of other plant seeds;

--- GB/T 2930.4 grass seed testing procedures sprout test;

--- GB/T 2930.5 grass seed testing procedures biochemical (tetrazolium) determination of viability;

--- GB/T 2930.6 grass seed testing procedures health determination;

--- GB/T 2930.7 Grass seed testing procedures Species and species determination;

--- GB/T 2930.8 grass seed testing procedures moisture determination;

--- GB/T 2930.9 grass seed testing procedures weight determination;

--- GB/T 2930.10 grass seeds inspection procedures Determination of coated seeds;

--- GB/T 2930.11 grass seed inspection procedures inspection report.

This section GB/T 2930 Part 6.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 2930.6-2001 "Forage Seeds Test Procedures Health Determination." This section and GB/T 2930.6-2001

In addition, editorial changes in addition to the main technical changes are as follows.

--- Will be the standard name from the "grass seed testing procedures for health determination" changed its name to "grass seed testing procedures for health determination" (see the cover,

2001 edition of the cover);

--- In the "Preface", an increase of drafting rules based on the standard preparation (see the foreword);

--- Removed "ISTA Preface" (see the 2001 edition of the ISTA Preface);

--- In the "range" added "ecological grass, ornamental plants and medicinal plants" (see Chapter 1);

--- Removed the "test purpose" (see the 2001 version of Chapter 3);

--- Removed "culture" "treatment" definition (see 2001 version 4.2 and 4.4);

--- Added "Principles" (see Chapter 4);

--- Added "Appliances" and "Reagents" in the content (see 5.1 and 5.2);

--- Added "seed treatment" (see 6.2);

--- Added "barley smut" test method (see 6.3.8);

--- Added "sunflower gray mold" test method [see 6.3.9c)];

--- Added "barley big blotch" test method [see 6.3.9d)];

--- Added "pea shell leaf disease" detection method [see 6.3.10b)];

--- Added "feed soybean stem ulcer disease detection method [see 6.3.10c)].

This section uses the redrafted law to amend the use of International Seed Testing Association (InternationalSeedestingAssociation,

ISTA) issued Chapter 7 of the International Seeds Inspection Code, Health Testing (2012 Edition).

This section and the ISTA "International Seeds Inspection Regulations Chapter 7. Health Determination" (2012 version) compared to the structural adjustment, with

A list of this section with the ISTA "International Seeds Inspection Regulations Chapter 7. Health Determination" (2012 version) Chapter control list

(See table A.1).

This section and the ISTA "International Seeds Inspection Regulations Chapter 7. Health Determination" (2012 version) there are technical differences, these differences

Excluded provisions have been marked by a vertical single line (|) at the margin of the outer

margin, given in Appendix B of the corresponding technical

Differences and their causes list (see Table B.1).

This part is proposed by the Ministry of Agriculture of the People's Republic of China.

This part of the animal husbandry by the National Standardization Technical Committee (SAC/TC274) centralized.

This part of the drafting unit. Lanzhou University grassland agroecosystem State Key Laboratory of Ministry of Agriculture grass and turf grass seed quality supervision

Inspection and Testing Center (Lanzhou), the National Grass Product Quality Supervision and Testing Center, the Ministry of Agriculture grass and turf grass seed quality supervision and testing

Center (Beijing).

1 Scope

GB/T 2930 provisions of this part of the determination of seed health procedures and methods.

This section applies to pasture, turf grass, forage crops, ecological grass, ornamental grasses and medicinal plants and other seed testing health determination.

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 2930.1 grass seed test procedures sample

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Seed health seedhealth

Whether the seeds carry pathogens (such as fungi, bacteria and viruses) and pests (including nematodes and insects), but also the lack of trace elements

Symptoms and other physiological conditions.

3.2

Pretreatment

Seed is treated physically or chemically in the laboratory before cultivation.

4 principles

The methods and equipment used to determine seed health should meet the requirements for health determination purposes. Assay methods should have different sensitivities

And reproducibility. In the case of health determination, the method of detection is selected based on the detected pests, the type of seeds and the purpose of the assay. Detection method should be done

It is possible to accurately detect the pathogen and pest designated by the submitter for detection.

5.1 appliances

The instruments needed for health determination are included.

- a) stereo microscope (40 times);
- b) Biological microscope (400 times);
- c) incubator (light, temperature control);
- d) refrigerator (5 degrees C ~ 20 degrees C);