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

GB/T 2930.7-2017

Replacing GB/T 2930.7-2001

**Rules of seed testing for forage, turfgrass and other
herbaceous plant -- Species and variety testing**

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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 compared to the main technical changes other than editorial changes are as follows.

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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 7.

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

This Part replaces GB/T 2930.7-2001 "forage seed test species and species identification."

This section and GB/T 2930.7-

2001 compared to the main technical changes other than editorial changes are as follows.

--- The standard name from the "forage seed test species and identification of species" changed its name to "grass seed test species and species determination"

(See cover,.2001 edition cover);

--- In the foreword, the drafting rules (see the preamble) on which the standard compilation is based have been added; statements of the nature of the appendix have been deleted (see.2001 edition

The foreword);

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

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

--- Added "Physical Specimens" and "Reference Specimens" to "Terms and Definitions" (see 3.4 and 3.5);

--- In the "principle" adds "the determination of specific traits" (see 4.3);

--- Modify the "test sample" weight requirements (see 6.1 and Table 1,.2001 version 7.1 and Table 1);

--- Increase the "seed determination" and "seedling determination" in the "method of determination" of the standard method name (see 6.2.2 and 6.3.2);

--- Added "test sample" in "Field Plant Determination" (see 6.5.1);

--- Calculation and presentation of "seeds, seedlings and plants" in "Calculation and Representation of Results" (see 7.1,.2001 edition 8.1);

--- Added "species and species determination method" (see Chapter 8);

--- Added "Morphometric Determination" Sudan grass species morphology "and" Medicago and Agropyron seeds fluorescence determination "content

[See 8.1.1d) and see 8.1.1f)];

--- Added "the authenticity of corn varieties and hybrid purity ultrathin layer isoelectric focusing electrophoresis (UTLIEF) Determination of" content

(See 8.1.5);

--- In the "seedling determination method" added "Beet hypodermic determination" (see 8.2.2);

--- In the "seedling determination method" adds "alfalfa and koji seedlings molecular determination method" (see 8.2.5);

--- In the "seedling determination method" adds "Sudan grass and sorghum seed molecular determination method" (see 8.2.6).

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

ISTA) Chapter 8 Seed Species and Varieties Determination (Edition.2012).

This section and the ISTA "International Seeds Inspection Regulations Chapter 8. Determination of species and varieties" (2012 version) compared to more structural adjustment

The entire Appendix A lists this section with the ISTA "International Seeds Inspection Regulations Chapter 8. Species and Varieties Determination" (2012 version) of the Chapter Control list (see Table A.1).

This section and the ISTA "International Seeds Inspection Regulations Chapter 8. Determination of species and varieties" (2012 version) there are technical differences, which

The provisions involved in these differences have been marked by a vertical single line (|) at the margin of the outer margin, and the corresponding technique is given in Appendix B

List of technical differences and their causes (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 Products Quality Supervision and Testing Center.

1 Scope

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

This section applies to grasses, lawn grass, feed crops and other grass seed quality inspection species and species identification and determination of specific shape.

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

GB/T 2930.2 grass seed testing procedures clarity analysis

GB/T 2930.4 grass seed testing procedures germination test

GB/T 8170 rounded repair rules and limit values of the representation and judgment

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Seed truth genuineness of seed

Species and species and file records (such as labels, etc.) are consistent.

3.2

Variety purity variety purity

The extent to which breeds are typically congruent in their characteristic traits. The seeds of the species accounted for the percentage of the number of seeds for the sample said.

3.3

Mutant off-type

Plants with one or more traits (characteristic traits) markedly different from the traits described by the original breeder.

3.4

Physical standard sample

True authentic species or varieties of seeds with specific traits.

3.5

Reference standard reference standard reference

The use of conjugates, isozymes, seed storage proteins, DNA bands, allelic maps or nucleotide sequences for species or breed characteristics

Sexual real description.