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

GB/T 2930.8-2017

Replacing GB/T 2930.8-2001

**Rules of seed testing for forage, turfgrass and other
herbaceous plant -- Determination of moisture content**

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Administration of the People's Republic of China**

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2001 edition of the cover);

2001 version 6.4 and Table 1);

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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 8.

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

This Part replaces GB/T 2930.8-2001 "Forage Seeds moisture test procedures." This

section GB/T 2930.8-2001

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

--- The standard name from the "Forage Seeds Inspection Procedure Moisture Determination" changed its name to "Grass Seeds Inspection Procedure Moisture Determination" (see the cover,

2001 edition of the cover);

--- In the "Preface", 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

Version of the preamble);

--- 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);

--- Increasing the principle of moisture determination (see Chapter 4);

--- In the "appliance", an increase of test equipment performance requirements (see 5.1 ~ 5.6);

--- Removed "Table 1 should be ground seeds and grained fineness", the relevant content into Table 1 and 6.4 text section (see 6.4 and Table 1,

2001 version 6.4 and Table 1);

--- In the "determination method", an increase of low constant temperature drying method (see 6.6.1);

--- Increased 33 genera and 20 kinds of plants suitable moisture determination (see Chapter 6 and Table 1);

--- In the "calculation and presentation of results", the calculation and presentation of results and tolerances have been added (see 7.1 and 7.2);

--- Remove the Appendix A "Table A1 shrub seed moisture determination of the gap between the two repeated tolerance", the relevant content into the text (see 7.2

And Table 2,.2001 edition of Appendix A).

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

ISTA) issued the "International Seeds Inspection Regulations Chapter 9. Moisture Determination" (2012 version).

This section and the ISTA "International Seeds Inspection Regulations Chapter 9. Moisture Determination" (2012 Edition) compared to the structure of more adjustments, with

A list of this section and the ISTA "International Seed Testing Program Chapter 9. Moisture" (2012 version) Chapter control list

(See table A.1).

This section and the ISTA "International Seeds Inspection Regulations Chapter 9. Moisture 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), Ministry of Agriculture Forage and Turfgrass Seeds Quality Supervision and Testing Center (Beijing), Ministry of Agriculture Forage and Turf Grasses

Sub-Quality Supervision and Testing Center (Hohhot).

1 Scope

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

This section applies to forage grass, turfgrass, forage crops, ecological grass, ornamental grasses and medicinal plants and other seed quality test moisture 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

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

Moisture moisturecontent

The weight loss after drying of the seed sample as described in this section is expressed as a percentage of the original sample weight.

4 principles

In ensuring the drying of seed moisture at the same time, as much as possible to reduce due to oxidation, degradation or other volatile substances caused by the weight

Variety.

5.1 grinder

Grinder should meet the following requirements.

- a) Made of non-hygroscopic material;
- b) easy to clean;
- c) crushing speed, uniform, small heat, and as far as possible to avoid contact with the outside air;
- d) The particle size should be adjustable to obtain different sizes of crushed particles, see 6.4.

5.2 constant temperature oven

Oven should be electric heating, the temperature should be stable control at 103 degrees C or 130 degrees C, and the temperature in all parts of the oven to maintain uniform;

After the sample with the maximum capacity is put in, it should be able to recover to the set 103 ° C or 130 ° C in 30 minutes. Should be suitable for high temperature method of seed