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

GB/T 24867-2010

**Determination of moisture content of forage seed -- Moisture
meters method**

草种子水分测定 水分仪法

(English Translation)

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Foreword

The revised standard English version of the 2008 "International inspection of seed" 9.2 Moisture was measured using the International Seed Testing Association (ISTA).

The difference between 9.2 and the standard English version of the 2008 "International inspection of seed" is.

- Remove the purpose, principles, instruments, notes and reports the results of determination of content;
- Added terms and definitions "(moisture meter) calibration" and "calibration sample";
- Among the international standard moisture meter calibration and measurement of two parts made appropriate merge;
- Seed moisture meter calibration sample of at least 5, at least two international standard varieties, each species five calibration samples.

For ease of use, this standard made the following editorial changes.

- Some international standards applicable to the expression to apply to our standard formulation;
- According to Chinese customs for some formatting has been modified.

The standard proposed by the People's Republic of China Ministry of Agriculture.

This standard by the National Standardization Technical Committee of animal husbandry.

This standard was drafted. Ministry of Agriculture, forage and turfgrass seed Quality

Supervision and Testing Center (Beijing), Ministry of Agriculture, pasture and turf grasses Sub Quality Supervision and Testing Center (Lanzhou), the Ministry of Agriculture Grass Industry Product Quality Supervision, Inspection and Test Center.

1 Scope

This standard specifies the method for calibrating and measuring the moisture content of the seeds of grass seed moisture meter.

This standard applies to grass seed rapid determination of moisture.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

Rules for the inspection GB/T 2930.8-2001 forage seed moisture determination GB/T 8170-2008 revised value represents about rules and limit values \u200b\u200band judgment

3 Terms and Definitions

The following terms and definitions apply to this standard.

Seed samples for calibrating seed moisture meter.

Off between the determined values \u200b\u200band the corresponding seed moisture meter indicated by the calibration sample from the GB/T 2930.8-2001 are reproducible values Department of a set of operations.

4.1 Seed moisture meter

It shall meet the following requirements.

- a) for direct reading-type moisture meter, moisture content measurement accuracy of the results is not less than 0.1%.
- b) For the measurement results can not directly read the moisture meter, accurate to one decimal place.

4.2 Other appliances

Shall comply with GB/T 2930.8-2001's.

5.1 Calibration sample

5.1.1

Each grasses select at least five calibration samples, seed moisture content at low-to-high gradient distribution in moisture meter measuring range Inside. Calibration samples may be differences in the moisture content of the existing sample, seed samples can also be placed on moistened filter paper in water, without the same sampling point in time, as the calibration sample.

5.1.2

moldy, fermented or sprouted seeds should not be used as a calibration sample. The calibration sample containing impurities, should be cleared of impurities.

5.1.3

Calibration samples should be stored in a moisture-proof, airtight container, volume to 2/3 is appropriate. Before performing the calibration procedure, at 5 °C ± Stored at 2 °C condition.