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

GB/T 24872-2010

**Inspection of grain and oils -- Determination of content in wheat
flour -- Near-infrared method**

粮油检验 小麦粉灰分含量测定 近红外法

(English Translation)

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Foreword

This revised standard adopts AACC08-21.2000 forecast wheat flour ash content - near infrared method (English Version) (AACCMETHOD for ease of use, this standard made the following editorial changes.

- In order to be consistent with our existing system phase-change the standard name;
- According to GB/T 1.1 "Standardization Guide Part 1. Standard structure and writing rules" and GB/T 20000.2-2001 it states. "Standardization Guide Part 2 rules of international standards", and without prejudice to the criteria used to compare the premise of change Change the structure of the text, the original standard in Chapter 1, "object" Adjust this standard Chapter 4, "principle"; the original standard section 2. "Instrument" Adjust this standard Chapter 5, "Instrument"; the original standard in Chapter 3, "Step" Adjust this standard Chapter 6 "Determination," adds Chapter 1, "" and Chapter 2, "Normative references", Chapter 3, "Terms and Definitions", Chapter 7, "Results Processing and presentation, "Chapter 8," identify and address abnormal samples, "Chapter 9," accuracy and precision "and Chapter 10," Testing newspaper Divisions ", and adds the corresponding secondary and tertiary entry number;
- Instead of using GB/T 24895 "Inspection of grain and grain NIR calibration model validation and network management and maintenance of common rules" the original standard "AACCMETHOD39-00", since GB/T 24895 standard is a reference AACCMETHOD39-00 Enacted;
- Cancel the original standard defining the relevant NIR instruments type.

This standard is a method based on the classical method based on wheat flour ash content rapid determination of the arbitration test shall be national standards Quasi-conventional methods has been specified, namely GB/T 5009.4 "foods - Determination of ash" shall

prevail.

Appendix A of this standard is a normative appendix.

The standard proposed by the National Food Authority.

This standard by the National Standardization Technical Committee OILS.

This standard was drafted. Henan University, Academy of State Grain Bureau, Beijing Municipal foodstuff Control, Grain Henan at public SECRETARY testing center.

1 Scope

This standard specifies the method for the determination of NIR terms and definitions wheat flour ash content, principles, equipment, measurement results processing and that the requirements for validation and processing, accuracy and precision and test reports of abnormal samples.

This standard applies to wheat flour in the rapid determination of ash.

This standard does not apply to arbitration inspection.

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.

Determination of GB/T 5009.4 ash in foods GB 5491 grain and oilseeds testing for sampling, and sample method GB/T 24895 Inspection of grain NIR calibration model validation and network management and maintenance of general rules

3 Terms and Definitions

GB/T 24895 and defined by the following terms and definitions apply to this standard.

The residue was burned after the sample, representative of the minerals present in the sample.

Principle 4

There is a high correlation between the ash content in wheat flour and cellulose content. NIR calibration for wheat flour, bran and cellulose components the correlation is very close. Near Infrared analysis by determining the cellulose content in wheat flour obtained ash content of wheat flour.

5 Equipment

NIR analyzer. Add OILS NIR network equipment should comply with GB/T 24895 requirements. No added OILS near infrared Analysis of network equipment, verify eligibility in accordance with GB/T 24895 in the provisions relating to the calibration model validation.

6.1 Preparation before the test

6.1.1

Sampling and sample decimation executed according to the provisions of GB 5491.

6.1.2

according to the near-infrared analyzer (Chapter 5) specification requirements for instrument self-test and warm-up test.

6.1.3

In the case where the state of at least a day of near infrared analyzer (Chapter 5) monitor with a monitor samples. You should track and monitor the daily knot as a result, the measurement results of the same sample monitoring compared with the initial measurement result, shall ensure compliance with the provisions of 9.2. Preparation of the samples in accordance with Appendix monitor A provision of execution.

6.1.4

The monitoring sample measurement results do not meet the requirements of 9.2, should stop using, and reported to the network administrator or equipment suppliers to be adjusted