

ICS 67.060
CCS B 20

LS

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

LS/T 1215-2008

**Technical specification for calibrating wheat hardness index
tester**

(English Translation)

Issued on: August 31, 2008

Implemented on: October 1, 2008

Issued by: National Grain Administration

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Foreword

Appendix A, Appendix B and Appendix C of this standard are informative annexes.

This standard was proposed by the National Food Bureau Standard Quality Center.

This standard is under the jurisdiction of the National Grain and Oil Standardization Technical Committee.

This standard was drafted. Wuxi Grain Machinery Factory, Henan University of Technology, Wuxi Tin Grain Machinery Manufacturing Co., Ltd.

1 Scope

This standard specifies the requirements for the verification of wheat hardness index tester, appliance control, verification items and verification methods, and the treatment of verification results.

And the verification cycle.

This standard is applicable to wheat hardness index measuring instrument (hereinafter referred to as instrument) which adopts the principle of anti-mechanical pulverization and uses wheat hardness as the object of measurement.

First verification, subsequent verification, and in-use inspection.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based

on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 2423.10 Environmental testing of electric and electronic products - Part 2. Test method test Fc. Vibration (sinusoidal) GB 5226.1-2002 Mechanical safety machinery and electrical equipment - Part 1. General technical conditions GB/T 21304-2007 Determination of Hardness Index of Wheat Hardness LS/T 1214 Wheat Hardness Index Standard Sample Preparation Technical Specification LS/T 1531 Wheat Hardness Index Standard Sample

3 Overview

The wheat hardness index analyzer is mainly composed of a weighing system, a pulverizing system, a receiving system, and a data processing and display system. Wheat hard the working principle of the degree indexer is that a certain amount of sample is pulverized under the specified experimental conditions, and the mass of the pulverized sample in the hopper is weighed, and the hardness index of the sample is automatically calculated and displayed. The wheat hardness index meter is used to determine the hardness of wheat and judge the soft and hard wheat.

4.1 Appearance

4.1.1

The instrument should be complete and complete, and all parts work normally.

4.1.2

The instrument shall have the following marks. instrument name, model number, manufacturer name, factory number and date of manufacture.

4.1.3

All fasteners of the instrument and accessories should be fastened; the connecting parts should be well connected; the moving parts should be flexible and stable.

4.1.4

Power cables, signal cables, etc., and connectors and sockets work closely together.

4.1.5

Each button and switch of the instrument can work normally without looseness, and the corresponding functions should be normal.

4.2 Accuracy

The wheat hardness index standard sample (LS/T 1531) was tested using the wheat hardness index tester according to the procedure specified in GB/T 21304.

The absolute value of the fixed value and the standard value of the wheat hardness index

standard sample is not more than 1.5.

4.3.1 General requirements for security

Should meet the requirements of 19.2, 19.3, 19.4 of GB 5226.1-2002.

4.3.2 Grounding resistance

The grounding resistance between the grounding terminal and the metal part requiring grounding shall be no more than 0.1ohm.