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Program of Pattern Evaluation of Capacitive and Resistive Grain Moisture Testers

电容法和电阻法谷物水分测定仪型式评价大纲

(English Translation)

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Introduction

This type of evaluation outline technical requirements for instrument supply voltage adaptability, security, performance and testing projects Methods GB/T 19878-2005 "capacitance method and the resistance method grain moisture tester General technical

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conditions" in the Related content; technical requirements and test methods for transport and storage projects using GB/T 11606-2007 "Analytical Instruments ring Environmental test methods "in the relevant content; and performance test methods for measuring instruments using JJG891-1995" capacitance Law and resistance method grain moisture meter "in the relevant content.

This type of evaluation outline for the first release.

This outline Appendix A, Appendix B and Appendix C are normative appendix.

Capacitance method and the resistance method grain moisture Tester type evaluation outline

1 Scope

This outline is applied to 0.5 Level 1 and capacitor sample analysis method and the resistance method grain moisture meter (hereinafter referred to as Grain moisture meter or instrument) of pattern evaluation, does not apply to on-line or plug pin grain moisture meter type evaluation.

2. References

JJG891-1995 capacitance method and the resistance method grain moisture meter GB 5497-1985 grain and oilseeds test determination of moisture content GB/T 11606-2007 analytical instruments environmental test methods GB/T 19878-2005 capacitance method and the resistance method grain moisture tester General technical conditions these documents contain provisions which through reference in this syllabus constitute provisions of this outline. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this syllabus, however, the drum Reed whether the latest versions of these files according to the parties that this outline agreement. Those who do not note cited date Use, the latest versions apply to this outline.

3 Terms

3.1 Grain Moisture Grain moisture refers to the weight of water and wet weight of the cereal grain percentage contained, also known as grain moisture content.

4 Overview

Grain moisture meter is mainly used for rapid determination of moisture content of grain.

Capacitance method is the use of grain moisture meter grain moisture content and its dielectric properties of the corresponding relationship between the design and manufacture of electrical the instrument, which consists of capacitive sensors (measuring cylinder), off the barrel and secondary instrument, and some also have weighing and temperature measurement Means for sample temperature and weight compensation. Fall into the measuring cylinder barrel role is to ensure that when each measurement cereals Sample state consistency.

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Resistance method grain moisture analyzer is the existence of a correspondence between grain moisture content designed according to its resistivity Manufacturing equipment. It consists of measuring head and the second instrument configuration, measuring head with a grain sample crushing device and remains constant Pressurizing means power to ensure that each measurement is consistent with the degree of compaction sample.

5 to provide technical information and test prototype review

5.1 Technical Information 5.1.1 prototype photos;

5.1.2 product standards (including test methods);

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