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NATIONAL METROLOGY TECHNICAL SPECIFICATION OF THE PEOPLE'S REPUBLIC OF CHINA

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Program of Pattern Evaluation of Raw Cotton Moisture Testers

原棉水分测定仪型式评价大纲

(English Translation)

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Introduction

This type of evaluation is to outline "outline guidelines for the preparation of measuring instruments type evaluation," according to JJF 1016-2009, JJF 1015-2002 "Measuring Instruments type evaluation and type approval of universal norms" and other norms, standards preparation Made.

This type of evaluation outline for the first release.

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Raw cotton moisture meter type evaluation outline

1 Scope

The outline of the type evaluation method applicable to resistance measuring principle, measuring raw cotton moisture box (pole plate) original Cotton moisture meter (hereinafter referred to as the analyzer) of pattern evaluation, to other types of means for determining the resistance measurement principle Instrument may refer to.

2. References

JJG845-2009 raw cotton moisture meter GB/T 6102.1 Test methods for raw cotton regain oven method GB/T 6102.2 raw cotton regain detector test methods for electrical method GB/T 11606-2007 analytical instruments environmental test methods GB/T 15479-1995 industrial automation instruments of insulation resistance, dielectric strength technical requirements and test methods 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 moisture content mass moistureweight Water containing raw cotton quality time.

3.2 dry mass dryweight Raw cotton by a certain method of removing the water quality after.

3.3 Regain moistureregain Under specified conditions measured raw cotton moisture content, quality and moisture to the dry mass of the difference sample on dry basis Amount expressed as a percentage.

4 Overview

Analyzer is the use of cotton fiber regain its resistance value was negatively correlated with changes in the law in a certain amount of fiber, Under pressure, voltage, and temperature conditions of the test area, measuring the resistance of cotton fiber, cotton fiber moisture regain indirectly measure a Kinds of instruments. Meter pole plate mainly by moisture sensor, temperature and humidity sensors, pressure measuring mechanism and electronic Circuit and display parts and other components.

Tester is mainly used for cotton purchase, processing, textile, quality inspection departments to quickly regain raw cotton Determination.

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