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**Calibration Specification for Test Sieves
(English Translation)**

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Introduction

This specification is based on JJF 1071-2010 "National Measurement and Calibration Specification Writing Rules", JJF 1001-2011 "General Measurement Terms and Definitions", JJF 1059.1-2012 "Assessment and Expression of Measurement Uncertainty" as the basis and basis revised:

Compared with JJF 1175-2007 "Calibration Specifications for Test Sieves", except for editorial modifications, the main technical changes as follows:

---Introduction added;

---Deleted the "sieve hole size between the maximum size (w X) and the number of sieve holes between the middle size (w Z) Quantity" calibration item;

--- Deleted the "Basic Size Determination" calibration item;

--- Modified the calibration method of "maximum size of sieve hole" and "average size of sieve hole";

---Modified the "Uncertainty assessment of the measurement results of the mesh size of the wire mesh test sieve";

--- Move the metrological characteristics of the test sieve to Appendix A;

---Delete the technical requirement "Intermediate deviation in the mesh size deviation of the wire mesh test sieve";

--- Added the technical requirements of "Maximum standard deviation of wire mesh test sieve mesh size":

The previous releases of this specification are as follows:

---JJF 1175-2007:

Test Sieve Calibration Specifications

1 Scope

This specification is applicable to the wire mesh test sieve with the sieve size of (0:020~125) mm and the sieve size of (1~125)mm metal perforated plate test sieve calibration:

2 References

This specification references the following documents:

GB/T 5329-2003 Test sieves and sieving test terms GB/T 6003.1-2012 Test sieve technical requirements and inspection Part 1: Metal wire mesh test sieve GB/T 6003.2-2012 Test sieve technical requirements and inspection Part 2: Metal perforated plate test sieve GB/T 6005-2008 Basic principles of test sieve wire mesh, perforated plate and electroformed sheet size for dated references, only the dated version applies to this specification; for undated references document, its latest version (including all amendments) applies to this specification:

3 Overview

Test sieves are mainly used for particle size analysis and sieving tests on granular materials: Wire woven mesh test sieve is shown in Figure 1 the metal perforated plate test sieve is shown in Figure 2: The arrangement of the test sieve holes is shown in Figure 3, Figure 4 and Figure 5:

Fig:1 Schematic diagram of wire woven mesh test sieve 1-wire mesh; 2-main part; 3-base; 4-2 and 3 form a screen frame

Figure 2 Schematic diagram of metal perforated plate test sieve

1-metal perforated plate; 2-main part; 3-base; 4-2 and 3 form a screen frame