

ICS 19.120



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

GB/T 6003.2-2024

**Test sieves - Technical requirements and testing - Part 2: Test
sieves of perforated metal plate
(English Translation)**

Issued on: September 29, 2024

Implemented on: April 1, 2025

Issued by: State Administration for Market Regulation

Table of Contents

Foreword...	3
Introduction...	5
1 Scope...	6
2 Normative References...	6
3 Terms and Definitions...	6
4 Marking...	6
5 Perforated Metal Plate...	7
5.1 Technical Requirements...	7
5.2 Test Methods...	11
5.3 Qualification Documents of Test Sieves...	13
6 Test Sieve Frame...	13
7 Labeling of Test Sieve...	14
Appendix A (informative) Record Card of Test Sieves...	16
Bibliography...	17

Foreword

This document was drafted in accordance with the rules provided in GB/T 1.1-2020 Directives

for Standardization - Part 1.Rules for the Structure and Drafting of Standardizing Documents.

This is Part 2 of GB/T 6003 Test Sieves - Technical Requirements and Testing. GB/T 6003 has

issued the following parts.

---Part 1.Test sieves of metal wire cloth;

---Part 2.Test sieves of perforated metal plate;

---Part 3.Test sieves of electroformed sheets.

This document serves as a replacement for GB/T 6003.2-2012 Test Sieves - Technical Requirements and Testing - Part 2.Test Sieves of Metal Wire Cloth. In comparison with GB/T

6003.2-2012, apart from structural adjustments and editorial modifications, the main

technical

changes are as follows.

---The requirements for the materials of the sieve plate and the blind hole area at the edge of the sieve plate are modified (see 5.1.5; 5.1.4 of Version 2012);

---The accuracy requirements of the testing equipment are modified (see 5.2; 5.2.1 of Version 2012);

---The basic size grouping range of the test sieve meshes is modified (see Table 3; Table 3 of Version 2012).

This document identically adopts ISO 3310-2:2013 Test Sieves - Technical Requirements and

Testing - Part 2. Test Sieves of Perforated Metal Plate.

This document makes the following minimal editorial modification.

---NOTE and EXAMPLE are added to Chapter 4.

This document was proposed by and shall be under the jurisdiction of National Technical Committee on Particle Characterization and Sorting and Sieve of Standardization Administration of China (SAC/TC 168).

The drafting organizations of this document. Xinxiang Bashan Aviation Materials Co., Ltd.; Anhui Conch Kawasaki Engineering Co., Ltd.; Hangzhou Hezhi Standard Technology Service

Co., Ltd.; Xinxiang Xinhang Wire Mesh Filter Co., Ltd.; Yanqi Lake Institute of Basic Manufacturing Technology Research Co., Ltd.

1997 This document corresponds to GB/T 6003.2 Test Sieves of Perforated Metal Plate. It was

revised for the second time in 2012. This is the third revision.

1 Scope

This document specifies the technical requirements and test methods for test sieves of perforated metal plate.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in the text. In terms of references with a specified date, only

versions with a specified date are applicable to this document. In terms of references without a

specified date, the latest version (including all the modifications) is applicable to this document.

3 Terms and Definitions

The terms and definitions defined in ISO 2395 are applicable to this document.

4 Marking

The basic size and shape of the meshes of test sieves of perforated metal plate shall be indicated

in millimeters.

5 Perforated Metal Plate

The square or round meshes on the perforated metal plate shall be arranged in straight lines or

staggered lines, as shown in Figure 1.

Sieve plates with sieve meshes of 4 mm and above shall have unperforated edges and no incomplete meshes are allowed, as shown in Figure 2. The mesh size, mesh spacing and

a In accordance with the provisions of ISO 565, the minimum basic size of the square mesh is 4 mm.

6 Test Sieve Frame

A circular sieve frame with a diameter of 200 mm should be selected.

When the sieve mesh size is greater than 25 mm and the amount of material to be sieved is large,

a larger sieve frame may be used.

7 Labeling of Test Sieve

The metal nameplate fixed onto the test sieve shall contain the following contents.

Appendix A

(informative)

Record Card of Test Sieves

An example of the record card of test sieves of perforated metal plate is shown in Table A.1.

.....