

ICS 13.040.30

CCS C67



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

GB/T 16913-2008

Replacing GB/T 16913.11-1997

Methods of dust character test

粉尘物性试验方法

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Foreword

Instead of following standards from Japan since the implementation of the standard. GB/T 16913.1-1997 "dust character test - Part 1. Test Dust sampling" GB/T 16913.2-1997 "dust character test - Part 2. Determination of effective density Pyknometer" GB/T 16913.3-1997 "dust character test - Part 3. Determination of bulk density of natural stacking method" GB/T 16913.4-1997 "dust character test - Part 4. Determination of dispersivity Anderson pipette Law" GB/T 16913.5-1997 "dust character test - Part 5. Determination of repose angle of the bottom surface defining injection method" GB/T 16913.6-1997 "dust character test - Part 6. Determination of hygroscopic moisture absorption Law" GB/T 16913.7-1997 "dust character test - Part 7. Determination of moisture content drying method" GB/T 16913.8-1997 "dust character test - Part 8. Determination of the penetration rate of invasive Law" GB/T 16913.9-1997 "dust character test - Part 9. Determination of cohesion vertical pull off Law" GB/T 16913.10-1997 "dust character test - Part 10. Determination of electrical resistivity disc method" GB/T 16913.11-1997 "dust character test - Part 11. Determination of resistance than the condition of dust filter concentric Circle method " This standard and GB/T 16913.1 ~ 16913.11-1997 compared to the main changes are as follows:

--- Original 11 standard integrated into a standard, the standard name to "dust character

test";

--- According to GB/T 1.1-2000 requirements of the standard text formats and standardized layout and editorial changes;

--- Increasing the scope of this standard in the scope;

--- Original GB/T 16913.4-1997 term in

3.1 to "dust dispersion", "dust particle size distribution" as synonyms;

--- Delete the words "the number of dust particle size distribution" description;

--- Increase the standard unit described in the relevant terminology statements;

--- Deleted the provisions related equipment "and other routine laboratory equipment," the words;

--- Original standard precision to the level of accuracy;

--- Increasing the geometric standard deviation is calculated in 4.4.6;

--- Original Appendix of this standard as a standard informative annex;

--- Added A. Appendix A

2 Select and immersion A. 4 measurement results Terms;

1 Scope

GB/T 16913-2008 is the Chinese national standard on methods of dust character test, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2009.

Classification: ICS 13.040.30, CCS C67. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the method of collecting dust character test sample, provides effective dust density (specific gravity bottle method), bulk density of dust (from However, deposition method), dust dispersion (Anderson pipette method), dust repose angle (defining the bottom surface of the injection method), dust hygroscopic (moisture absorption method), pink Dust and moisture (drying), dust infiltration (penetration rate method), dust adhesion (vertical pull-off method), dust specific resistance (disk method), dust conditions Specific resistance (concentric ring filter method) test methods. This standard applies to

industrial or productive dust character test. This standard applies to the collection of dust character test sample and apply effective dust density, bulk density of dust, dust dispersion, dust Angle of repose, hygroscopic dust, dust, moisture content, infiltration of dust, dust adhesion, specific resistance of dust and dust conditions resistivity measurement.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 9079 industrial furnace soot test methods

GB/T 12573 cement sampling method

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 It can be suspended in the air in the tiny solid particles.

3.2 Non-porous mass per unit volume of dust, with g/cm³ representation.

3.3 The internal volume of closed cells comprises a dust mass per unit volume, including dust, with g/cm³

3.4 The true density of the dust and dust known as the false density effective density, with g/cm³ representation.

3.5 Including the quality gap between the dust and dust, including the internal pores per unit volume of dust loose body with g/cm³ representation.

3.6 Dust in various particle sizes or particle size range of the percent of dust particles. Law is the quality of statistics in the form of dust particle size characterization of the quality points