Chinastandards.org

ICS 77.160
CCS H21

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 13221-2004

Determination of powder particle size distribution - Methods of sieve classification with sonic wave and small angle X-ray scattering

纳米粉末粒度分布的测定 X射线小角散射法

(English Translation)

Issued on: May 25, 2026 **Implemented on: December 1, 2026**

Issued by: State Administration for Market Regulation, Standardization Administration of China

Preview: page 1 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-13221-2004

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
1.2 Principle
1.3 Reagents
2 Normative references
3.1 General Provisions
3.2 Nuclear Safety Criterion
4 Designation expression
4.1 General
4.2 Removal of surface defects
4.3 Traffic and Transportation
4.4 Working Area
5 Calculation of Analysis Results
5.2 Main Production Facilities Layout
5.3 Auxiliary Facilities Layout
5.4 Administration Buildings Area Layout
5.5 Outside Construction Layout
5.6 Physical Protect System and Entrance Layout
6 Precision
6.2 Determination of Design Elevation
6.3 Step Type Design
6.4 Earth (Stone) Work
6.5 Water Drainage of Site
7 Assessment of results
7.2 Underground Pipeline
7.3 Overhead Pipeline
8 Test report
8.2 Transfer Station (Transshipment Wharf)
8.3 Railway
8.4 Road
8.5 Water Transport
9.2 Vegetation Arrangement

Preview: page 2 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-13221-2004

9.3 Tree Species Selection

1 Foreword

GB/T 13221-2004 was issued by State Administration for Market Regulation, Standardization Administration of China on 25 May 2026 and has been in force since 1 December 2026.

It replaces the earlier edition GB/T 13221-1991.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 13221-2004 falls under ICS 77.160, in the field of metallurgy.

This catalogue holds 3,436 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

3 About this standard

Sector: National Standard (Recommended)

Issued by: State Administration for Market Regulation, Standardization Administration of China

English translation: about 9 pages (approximate)

Chinese original: about 14,182 characters

4 Related standards

Other editions:

GB/T 13221-2026 (later edition)

GB/T 13221-1991 (earlier edition)

Standards on related subjects:

GB/T 8753.1-2017 - Anodizing of aluminium and its alloys-Assessment of quality of sealed anodic oxidation coatings-Part 1: Measurement of the loss of mass after immersion in acid solution(s)

GB/T 8753.2-2005 - Anodizing of aluminium and aluminium alloys -- Assessment of quality

Preview: page 3 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-13221-2004

of sealed anodic oxide coatings -- Part 2: Phosphoric acid/chromic acid test

GB/T 8753.4-2005 - Anodizing of aluminium and aluminium alloys -- Assessment of quality of sealed anodic oxide coatings -- Part 4: Dye spot test with prior acid treatment

GB/T 43894.3-2026 - Practice for determining semiconductor wafer near-edge geometry - Part 3: Sector area flatness (ESFQR, ESFQD, ESBIR)

GB/T 43894.2-2026 - Practice for determining semiconductor wafer near-edge geometry - Part 2: Roll-off amount (ROA)

5 Classification and status

International classification (ICS): 77.160

Chinese Standard Classification (CCS): H 21

Prefix GB/T: recommended standard.

Preview: page 4 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-13221-2004