

ICS 19.120  
CCS A 28



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

**GB/T 15445.2-2006**

---

**Representation of results of particle size analysis -- Part 2:  
Calculation of average particle size/diameters and moments  
from particle size distributions**

粒度分析结果的表述第2部分：由粒度分布计算平均粒径直径和各次矩  
(English Translation)

**Issued on: February 5, 2006**

**Implemented on: August 1, 2006**

---

**Issued by: General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China, Standardization  
Administration of the People's Republic of China**

## Table of Contents

|                                         |   |
|-----------------------------------------|---|
| What this standard covers .....         | 1 |
| Document data .....                     | 2 |
| Standards quoted by this document ..... | 3 |

### What this standard covers

This standard applies to provide some formulas to from a given particle size distribution to calculate the average or mean diameter of the value of the second moment. In this standard assumes that the particle size distribution histogram representation. If the particle size distribution in the form of analytic functions, the corresponding mathematical treatment applies. In this standard, it is also assumed that the particles of any shape can be its equivalent spherical diameter  $x$ , as measured with the same volume of particles to represent the diameter of the ball.

### Document data

International classification (ICS): 19.120.

Chinese classification (CCS): A28.

Estimated length of the Chinese original: 15,162 words.

Adopted international standard: ISO 9276-2-2001, IDT.

### Standards quoted by this document

GB/T 6005-1997; GB/T 15445-1995