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

GB/T 6379.1-2004

Replacing GB/T 6379-1986 Partial; GB/T 11792-1989 Partial

**Accuracy (trueness and precision) of measurement methods
and results -- Part 1: General principles and definitions**

测量方法与结果的准确度(正确度与精密度) 第1部分：总则与定义

(English Translation)

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What this standard covers

This standard specifies: a) assessment of measurement methods and results described Accuracy (trueness and precision) of the General Principles and Applications, by testing for different measuring the actual estimate (GB/T 6379. 1), b) by testing provide estimates of precision measurement method measures the two extremes of the basic method (GB/T 6379. 2), c) provide for the procedure to obtain precision intermediate measure, given the applicable environmental and estimation methods (ISO 5725-3), d) provides measurement method for determining the accuracy of the basic method (ISO 5725-4), e) the conditions for certain specific applications, to provide different GB/T 6379. 2 and ISO 5725-4 method for determining the basic method for correct measurement and precision of the other alternative methods (ISO 5725-5), f) to provide accuracy and precision of the measurement of some practical applications. GB/T 6379 relates present standard measurement method, especially for the continuous measurement of the amount, and each measured value is only taken as the test result of a measurement method, although this value may be a result of observations. GB/T 6379 of this standard defines a quantitative measurement method 's ability to give the correct result (accuracy) and the ability to repeat the same result (precision). This means ignorant of the exact same method can be used to measure the exact same thing, and the measurement process is controlled. GB/T 6379 in the scope of this standard for a variety of materials (material or materials), including liquids, powders and solid materials, these materials can be made ??manually, it can be naturally occurring, as long as the material of the different qualitative be properly considered.

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Standards quoted by this document

GB/T 3358.1-1993; GB/T 3358.2-1993; GB/T 3358.3-1993; GB/T 6379.2-2004; ISO 3534-1-1993; ISO 5725-3-1994; ISO 5725-4-1994