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**Regulation of mass measurement permissible errors
for jewelry and precious metal product**

珠宝贵金属产品质量测量允差的规定

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Regulation of mass measurement permissible errors for jewelry and precious metal product

1 Scope

This Standard specifies the requirements, measurement method and marking for the mass measurement permissible errors of jewelry and precious metal products.

This Standard applies to the trade and mass measurement of jewelry and precious metal products.

This Standard applies to single pieces of jewelry and precious metal products whose mass is less than or equal to 200.00 g. This Standard can be referred to jewelry and precious metal products of the same kind for a batch settlement whose total mass is less than or equal to 200.00 g.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced documents (including all amendments) applies to this document.

GB/T 26021, *Gold bar*

GB/T 30712, *Provision of permissible errors for measurement of polished diamond mass*

GB/T 31912, *Adornment – Mark*

JJG 1036, *Verification regulation for electronic balance*

QB/T 1690, *Provision of permissible errors for measurement of precious metals adornment mass*

3 Terms and definitions

For the purposes of this document, the following terms and definitions and those given in GB/T 30712, GB/T 31912 and JJG 1036, apply.

diamonds) for which mass is used as the settlement basis

The provisions of permissible errors for mass measurement for all mass ranges are as follows:

- when the product mass is $m \leq 1$ g, the permissible error for mass measurement is ± 0.002 g (± 0.01 ct);
- when the product mass is $1 \text{ g} < m \leq 10$ g, the permissible error for mass measurement is ± 0.004 g (± 0.02 ct);
- when the product mass is $10 < m \leq 200$ g, the permissible error for mass measurement is ± 0.01 g.

4.3 Permissible errors for mass measurement of precious metal products

4.3.1 Precious metal adornment shall be as specified in QB/T 1690.

4.3.2 The mass permissible error for gold bars with the mass not greater than 200 g is $+ 0.01$ g (except the positive permissible errors agreed by manufacturer and dealer).

4.4 Permissible errors for mass measurement for precious metal setting jewelry products for which mass is used as the settlement basis

4.4.1 The permissible error for mass measurement is ± 0.01 g.

4.4.2 Wherever diamond mass and precious metal mass are marked separately, they shall be as specified in 4.1 and 4.3 respectively.

4.4.3 Wherever jewelry mass and precious metal mass are marked separately, they shall be as specified in 4.2 and 4.3.

5 Measurement method

5.1 Measurement conditions

5.1.1 The environment for the use of balance shall meet the metrological requirements.

5.1.2 The balance used shall be approved in calibration within a calibration period.

5.1.3 During use, first carry out the metrological performance inspection and then operate as specified in the regulations.

5.2 Balance selection

5.2.1 The balance weighing polished diamonds shall be as required in GB/T 30712.

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