



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

GB 11887-2012

**Jewellery -- Fineness of precious metal alloys and designation
[including MODIFICATION 1]**

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Foreword

Chapters 4, 5 and 7 of this Standard are compulsory. The rest are recommendatory.

This Standard is drafted in accordance with GB/T 1.1-2009.

This Standard replaces GB 11887-2008 "Jewellery - Fineness of Precious Metal Alloys and Designation". Compared with GB 11887-2008, the main differences are as follows.

- Introduction is deleted (Introduction of 2008 edition);
- Amend the relevant recently-issued standards into the normative references (see Chapter 2);
- Delete the specific requirements on harmful elements. It is revised as "shall meet the requirements of GB 28480" (see 4.3 of this edition, 4.3 of 2008 edition);
- Delete the relevant contents of determination of harmful elements (see 6.2 of

2008 edition).

Using re-drafting method, this Standard modifies and adopts ISO 9202.1991(E) "Jewellery - Fineness of Precious Metal Alloys".

Compared with ISO 9202.1991, this Standard adjusts the structure significantly.

Appendix A lists out the article-section comparison between this Standard and ISO 9202.1991.

There are technical differences between ISO 9202.1991 and this Standard. The technical differences are marked with vertical single line on the page margin of the involved articles. Appendix B gives the list of these technical difference and their reasons.

This Standard was proposed by the China National Light Industry Council.

This Standard shall be under the jurisdiction of the National Technical Committee on Jewellery of Standardization Administration of China (SAC/TC 256).

Drafting organization of this Standard. National Jewellery Quality Supervision and Inspection Centre.

Chief drafting staffs of this Standard. Duan Tiyu, Li Suqing, Wang Chunsheng, Li Yukun, and Li Wujun.

The previous editions replaced by this Standard are as follows.

Jewellery -

Fineness of Precious Metal Alloys and Designation

1 Scope

This Standard specifies the precious metals' fineness range¹⁾, mark, test method, and the designation method of precious metal jewellery.

This Standard is applicable to jewellery industry and the precious metal jewelleryes that are produced and marketed in domestic market. For precious metal ornaments, it shall refer to this Standard.

2 Normative References

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

GB/T 9288 Gold Jewellery Alloys - Determination of Gold - Cupellation

Method (Fire Assay) (GB/T 9288-2006, ISO 11426.1997, MOD)

GB/T 16552 Gems - Nomenclature

GB/T 16553 Gems - Testing

GB/T 16554 Diamond Grading

GB/T 17832 Silver Jewellery Alloys - Determination of Silver - Volumetric (Potentiometric) Method Using Potassium Bromide (GB/T 17832-2008, ISO 11427.1993, MOD)

GB/T 18781 Cultured Pearl Grading

GB/T 19720 Platinum Jewellery Alloys - Determination of Platinum and Palladium - Gravimetric Method after Precipitation of Diammonium Hexachloroplatinate and Dimethylglyoxime (GB/T 19720-2005, ISO 11210. 1995, MOD)

GB/T 21198.6 Determination of Precious Metals in Precious Metals Jewellery Alloys - Method Using ICP Spectrometry - Part 6. Difference Method

GB/T 23885 Jadeite Grading

GB/T 28480 Adornment - Provision for Limit of Baneful Elements

1) It excludes welding powder. However, the content of the finished product (except accessories) must not be

lower than the specified fineness range.

(999) (Thousand-pure palladium, thousand-pure palladium gold)

Silver and its alloy

(999)

(Pure silver)

(Thousand-pure silver)

Note 1. The values and representation which are not in brackets are preferable.

Note 2. The theoretical fineness of 24K is 1000 per mille.

4.2 The material fineness of jewellery accessories shall be consistent with the jewellery main body. If it is needed by strength and elasticity, the accessory material

shall conform to the following requirements.

- a) For gold jewellery of which the gold content is not lower than 916 per mille (22K), the gold content of their accessories shall not be lower than 900 per mille.
- b) For platinum jewellery of which the platinum content is not lower than 950 per mille, the platinum content of their accessories shall not be lower than 900 per mille.
- c) For palladium jewellery of which the palladium content is not lower than 950 per mille, the palladium content of their accessories shall not be lower than 900 per mille.
- d) For pure silver and thousand-pure silver jewellery, the silver content of their accessories shall not be lower than 925 per mille.

4.3 Precious metals and the elements contained in alloy jewellery must not be harmful to human health. The contained harmful elements shall meet the requirements of GB 28480.

5.1.1 Content of marking

The content of marking shall include. manufacturer code, material, fineness, and the mass of the main diamond (above 0.10 karat) for diamond-inlay jewellery.

Example. jewellery of 18 K gold, 0.45 karat diamond-inlay, made by a certain company (manufacturer code. ABC) is marked as. ABC 18K Gold 0.45 ct D.

5.1.2.1 The main body is marked according to the specifications in Table 1. The accessories are marked according to the requirements in 4.2.

5.1.2.2 Gold jewellery. Combination of "thousand-fineness (K value)", "Gold", "Au"

or "G". For example. Gold 750 (18K Gold), Au750 (Au18K), G750 (G18K).

Appendix A

(Informative)

Comparison of Chapters and Articles' Numbers between This Standard and ISO 9202.1991