

Translated English of Chinese Standard: GB/T11887-2012

www.ChineseStandard.net

Sales@ChineseStandard.net

GB

NATIONAL STANDARD

OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 39. 060
Y 88

GB/T 11887-2012

Replacing GB/T 11887-2008

Jewellery –

Fineness of Precious Metal Alloys and Designation

(ISO 9202:1991, Jewellery - Fineness of Precious Metal Alloys, MOD)

GB/T 11887-2012 How to BUY & immediately GET a full-copy of this standard?

1. www.ChineseStandard.net;
2. Search --> Add to Cart --> Checkout (3-steps);
3. No action is required - Full-copy of this standard will be automatically & immediately delivered to your EMAIL address in 0~25 minutes.
4. Support: Sales@ChineseStandard.net. Wayne, Sales manager

Issued on: November 5, 2012

Implemented on: May 1, 2013

**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

Foreword.....	3
1 Scope.....	5
2 Normative References.....	5
3 Terms and Definitions.....	6
4 Fineness Range.....	6
5 Marks of Jewellery Products.....	7
6 Determination Method.....	8
7 Designation Rules.....	8
Appendix A (Informative) Comparison of Chapters and Articles' Numbers between This Standard and ISO 9202:1991.....	9
Appendix B (Informative) Technical Differences between This Standard and ISO 9202:1991, and Reasons.....	10
No.1 Amendment of GB 11887-2012.....	11

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	800	—
	925	—
	990	(Pure silver)
	(999)	(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‰.		

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

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 Marks of Jewellery Products

5.1 Marking

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 Representation of fineness and material marking

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

Table A.1 gives the comparison list of chapters and articles' numbers between this Standard and ISO 9202:1991.

Table A.1 Comparison List of Chapters and Articles' Numbers between This Standard and ISO 9202:1991

Numbers of chapters and articles in this Standard	Numbers of corresponding chapters and articles in the international Standard
1	1
2	—
3.1	2.1
3.2	—
4.1	3
4.2	—
4.3	—
5	—
6	4
7	—

Note 1: The theoretical value of 24K is 1000 ‰.

Note 2: "Pure (platinum, platinum, palladium, silver)" is the highest fineness of jewellery products specified in this standard; it means that the precious metal content is not less than 990 ‰.

4.2 The fineness of jewellery accessories shall be consistent with the main-body. Due to the needs of strength and elasticity, the accessory's materials shall meet the following requirements:

4.2.1 For gold jewellery of which the gold content is not less than 916 ‰ (22K), the accessory's gold content shall not be less than 900 ‰.

4.2.2 For platinum jewellery of which the gold content is not less than 950 ‰ (22K), the accessory's platinum content shall not be less than 900 ‰.

4.2.3 For palladium jewellery of which the gold content is not less than 950 ‰ (22K), the accessory's palladium content shall not be less than 900 ‰.

4.2.4 For pure silver jewellery, the accessory's silver content shall not be less than 925 ‰.

4.3 The elements contained in precious metals and their alloys must not be harmful to human health. The contained elements shall meet the provisions of GB 28480.

II. Chapter 7 is changed as:

7.1 Designation content of precious metal jewellery content can only include fineness, material, gem's name and jewellery varieties. There must not have other content before or after the designation.

Example 1: 18K Gold Ruby Ring

Example 2: Pt900 Diamond Ring

7.2 The designation of precious metal's material and fineness shall be based on the provisions of Table 1.

7.3 The designation of the precious metal's jewellery shall be based on the provisions of QB/T 1689.

7.4 Inlaid gem's identification and designation shall be in accordance with GB/T 16552, GB/T 16553, GB/T 16554, GB/T 18781, GB/T 23885. For the gem on inlaid jewellery, its quality grading is as a reference level.

III. Table B.1 is changed as:

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 3 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

3. <https://www.google.com/search?tbm=bks&q=ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Google Books -- Select your currency.
- Processed by Google (delivery, tax invoice etc.). Delivered in 9 seconds by Google.
- Tips: Download an unprotected **True-PDF** (text-editable) from Google-Books:
 1. <https://play.google.com/books> → 2. Sign in → Google account
 3. Find the **BOOK** you bought → 4. Click "3-dots" → Export
 5. Save as "*.pdf" (Save True-PDF to your local computer for offline reading/printing)

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

Accountable person and shareholder: Wayne Zheng

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----