

ICS 77.120.99

CCS H68



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

GB/T 17684-2008

Replacing GB/T 17684-1999

Terminology for precious metals and their alloys

贵金属及其合金术语

Issued on: March 31, 2008

Implemented on: September 1, 2008

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

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Foreword

This standard replaces GB/T 17684-1999 "precious metals and their alloys term." This standard compared with GB/T 17684-1999, the main changes are as follows:

- Increased precious metal electrical contact materials special terms;
- Increased precious metal shape memory alloys, precious metal photographic materials, precious metals nano powder, precious metal brazing, precious metal alloy solder paste Materials, precious metal winding materials, precious metal conductive ring material, curable precious metal paste, paste and other precious metal sintering term;
- Original standard terms such as palladium silver resistor paste removal;
- Original standard temperature material further refinement, the original standard terminology only explanation for the precious metal temperature materials, and this standard solution Based on the interpretation of the term precious metal temperature materials into precious metal thermocouples and platinum resistance thermometers categories;
- Original standard terminology precious metal solder to solder precious metals and precious metals into the noble metal vacuum brazing filler metal and precious metal Metal alloy solder paste; There are variations on the standard structure
- the original. The standard proposed by China Nonferrous Metals Industry Association. This standard Nonferrous Metals by the National Standardization Technical Committee. This standard by your research Platinum Ltd., there is research billion of the new Materials Co., Ltd. is responsible for drafting The main drafters of this standard. Shen Liqin, Wang Jian, Yunnan Zhuang Xiang, Zhou Shiping, Jiangchuan Gui, Ma Yunqiu, Lv Baoguo, Xiong Feng Jing Su. This standard replaces the standards previously issued as follows:
 - GB/T 17684-1999. Precious metals and their alloys - Terms

1 Scope

GB/T 17684-2008 is the Chinese national standard on terminology for precious metals and their alloys, in the field of metallurgy. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 March 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 September 2008. Classification: ICS 77.120.99, CCS H68. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms commonly used precious metals and their alloys. This standard applies to precious metals and their alloys production, application, testing, circulation, research and teaching, as a unified technical terms in accordance with.

2 General terms

2.1 Gold, silver and platinum group metals collectively.

2.1.1 Silver, ruthenium, rhodium, palladium collectively. Density between 10g/cm³ ~ 12g/cm³.

2.1.2 Gold, osmium, iridium, platinum collectively. Density between 19g/cm³ ~ 22g/cm³.

2.2 Metal elements ruthenium, rhodium, collectively, palladium, osmium, iridium, platinum.

2.3 It composed of a noble metal elements, the mass fraction of greater than or equal to 99.9%. 2.3.1. Purity of 99.9% to 99.99% of the gold.

2.3.2 Purity of 99.9% to 99.99% silver.

2.3.3 Purity of 99.9% to 99.999% platinum. 2.3.4 99.9% 99.995% palladium.

2.3.5 Purity of 99.9% to 99.99% rhodium.

2.3.6 Purity 99.9% ~ 99.99% iridium.