

ICS 77.150.99

CCS H68



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

GB/T 1422-2018

Replacing GB/T 1422-2004

Iridium powder

铱粉

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Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Requirements
- 3.2 Chemical composition and loss of ignition

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 1422-2004 "", compared with GB/T 1422-2004, except for editorial changes, major technical changes as follows:

- Removed the description of calcium in the chemical composition of tantalum powder;
- Increased the requirement that the amount of burn loss of tantalum powder should not exceed 0.20%;
- Revised Appendix A for the determination of impurity elements in tantalum powder by inductively coupled plasma optical emission spectrometry, and also can be determined by reference YS/T 364;
- Add Appendix B, Determination of the amount of chalk burning loss by the hydrogen reduction weight method. This standard was proposed by the China Nonferrous Metals Industry Association. This standard is under the jurisdiction of the National Nonferrous Metals Standardization Technical Committee (SAC/TC243). This standard was drafted. Guiyan Resources (Yimen) Co., Ltd., Jinchuan Group Co., Ltd., Nonferrous Metals Technology and Economic Research Institute, expensive Research and Testing Technology (Yunnan) Co., Ltd., Xi'an Kaili New Materials Co., Ltd., Jiangxi Hanshi Precious Metal Co., Ltd., Zhejiang Weitong Huaxin Materials Co., Ltd., Guangdong Industrial Analysis and Testing Center, Xuzhou North Mine Metal Recycling Research Institute. The main drafters of this standard. Wu Xilong, He Xiaotang, Zhong Linbo, Xiang Lei, Yu Fengshan, Xiong Xiaoyan, Wei Xiaojuan, Sun Jie, Gong Weixing, Xiong Qingfeng, Liu Wen, Zhao Yu, Ren Chuanting, Wang Huan, Li Yong, Tan Wenjin, Ma Wangrui, Li Wei, Zhang Wenzhao, Li Hongmei, Zhang Xuandong, Zheng Yun, Tang Weixue, Yang Hongyu, Ma Yinbiao, Tan Xiaoyan, Giulia. The previous versions of the standards replaced by this standard are.
- GB/T 1422-1978, GB/T 1422-1989, GB/T 1422-2004. Powder

0.1

Note. The element control limits and analysis methods not specified in the table shall be

determined by both parties.

1 Scope

GB/T 1422-2018 is the Chinese national standard on iridium powder, 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 17 September 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 June 2019. Classification: ICS 77.150.99, 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.

99.95 SM-Ir99.9 content is not less than 99.99 99.95

99.9 Pt 0.003 0.02

0.03 Ru 0.003 0.02

0.04 Rh 0.003 0.02

0.03 Pd 0.001 0.01

0.02 Au 0.001 0.01

0.02 Ag 0.001 0.005

0.01 Cu 0.002 0.005

0.01 Fe 0.002 0.005

0.01 Ni 0.001 0.005

0.01 Al 0.003 0.005

0.01 Pb 0.001 0.005

0.01 Mn 0.002 0.005

0.01 Mg 0.002 0.005

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document. Emission Spectral Analysis of Impurity Elements in YS/T 364 Pure Germanium

3 Requirements

3.1 Product Classification The glutinous rice powder is divided into three grades according to the content. SM-Ir99.99, SM-Ir99.95, SM-Ir99.9.

3.2 Chemical composition and loss of ignition

3.2.1 The chemical composition of tantalum powder should meet the requirements of Table 1. Table