

ICS 77.150.99

CCS H68



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

GB/T 1421-2018

Replacing GB/T 1421-2004

Rhodium powder

铑粉

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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 1421-2004 "", compared with GB/T 1421-2004, except for editorial changes, major technical changes as follows:

- Delete the description of calcium in the chemical composition of tantalum powder;
- Increase the loss of sputum powder burning should not exceed 0.10%;
- Amend Appendix A to "Inductively Coupled Plasma Atomic Emission Spectrometry for the Determination of Impurity Elements in Tantalum Powder", and also be determined by reference YS/T 363;
- Add Appendix B "Determination of the amount of sputum burning loss of 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, Jiang West Hanshi Precious Metal Co., Ltd., Guangdong Industrial Analysis and Testing Center, Xi'an Kaili New Materials Co., Ltd., Zhejiang Weitong Catalyst New Materials Co., Ltd., Xuzhou North Mine Metal Recycling Research Institute. The main drafters of this standard. He Xiaotang, Xiong Qingfeng, Wu Xilong, Xiang Lei, Zhong Linbo, Yu Fengshan, Xiong Xiaoyan, Sun Jie, Wei Xiaojuan, Gong Weixing, Liu Wen, Zhao Yu, Wang Huan, Li Yong, Tan Wenjin, Li Hongmei, Lin Bo, Li Wei, Zhang Wenqi, Zhang Xuandong, Zheng Yun, Yang Hongyu, Tang Weixue, Tan Xiaoyan, Ma Yinbiao, Julia. The previous versions of the standards replaced by this standard are.
- GB/T 1421-1978, GB/T 1421-1989, GB/T 1421-2004. Powder

0.1

Note. The element control limits and analysis methods not specified in this table shall be determined by both parties.

1 Scope

GB/T 1421-2018 is the Chinese national standard on rhodium 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-Rh99.9 content, not less than 99.99 99.95

99.9 Pt 0.003 0.02

0.03 Ru 0.003 0.02

0.04 Ir 0.003 0.02

0.03 Pd 0.001 0.01

0.02 Au 0.001 0.02

0.03 Ag 0.001 0.005

0.01 Cu 0.001 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 363 Pure Germanium

3 Requirements

3.1 Product Classification The powder is divided into three grades according to the content of . SM-Rh99.99, SM-Rh99.95, SM-Rh99.9.

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