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CCS H62



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

GB/T 26039-2010

Mercury-free zinc powder

无汞锌粉

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard by the national non-ferrous metals Standardization Technical Committee (SC2/TC243) centralized. This standard is drafted by: Zhuzhou Smelter Group Co., Ltd., Shenzhen Lingnan Nonferrous Metals Corporation Limited. Participated in the drafting of this standard. Shangyu Feng Shanghai Metal Products Co., Ltd. The main drafters of this standard. Tan Yi-Wen, Guo Jun, Wu Tao, Li Qingxiang, Xia Haiyan, Xu Jun, Chen Duanyun, exhibition Cai Cai, Zhu Shi Lin. Mercury-free zinc powder

1 Scope

GB/T 26039-2010 is the Chinese national standard on mercury-free zinc 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 10 January 2011 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 October 2011. Classification: ICS 77.150.60, CCS H62. 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 requirements for mercury-free zinc powder, test methods, inspection rules and signs, packaging, transportation and storage, quality certificates and contracts (Or orders) content. This standard applies to zinc as a raw material, In, Bi, Al, Ca and other alloying elements, spray, chemical displacement method, electrolytic co-deposition method, Vacuum evaporation - condensation methods such as mercury-free zinc powder manufactured products. The products are mainly used for mercury-free alkaline zinc - manganese dioxide battery manufacturing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Determination of

GB/T 1479 metal powder bulk density of the first portion of the funnel

GB/T 1480 Determination of particle size metal powder dry sieving

GB/T 5314 sampling method powder metallurgy

GB/T 6682 analysis lab laboratory use - Specification and test methods

GB/T 8170-2008 revised value represents about rules and limit values and judgment

GB/T 12689.1-2004 zinc and zinc alloys - Determination of aluminum content Chromazurol S- octyl polyethylene glycol phenyl ether - Cetylpyridinium bromide, spectrophotometry, CAS spectrophotometry and EDTA titration

GB/T 12689.3-2004 zinc and zinc alloys - Determination of cadmium content by flame atomic absorption spectrometry

GB/T 12689.4-2004 zinc and zinc alloys - Determination of the amount of copper diethyl dithiocarbamate spectrophotometric lead Spectrophotometry, flame atomic absorption spectrometry and electrolysis

GB/T 12689.6-2004 zinc and zinc alloy chemical analysis method for determination of lead content oscillopolarographic method

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Mercury-free alkaline battery zinc negative electrode active material, zinc and In, Bi, Al, Ca and other elements, the mercury content of less than 3µg/g of two Or polyhydric zinc alloy powder.

4 Requirements

4.1 Chemical composition Mercury-free zinc powder shall conform to the chemical composition specified in Table 1.