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YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 265-2012

Replacing YS/T 265-1994

High purity lead

高纯铅

(English Translation)

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Foreword

This standard is based on GB/T 1.1-2009 given rules drafted.

Instead of the standard YS/T 265-1994 "purity lead" product standards.

Compared with this standard YS/T 265-1994 "purity lead" product standards, the main changes are as follows.

--- Chemical composition of arsenic impurity limit adjustment.

Pb-05 content of impurities arsenic limit increased from $0.5 \times 10^{-4}\%$ revised to $0.3 \times 10^{-4}\%$;

Pb-06 content of impurities arsenic limit increased from $0.2 \times 10^{-4}\%$ revised to $0.1 \times 10^{-4}\%$;

Pb-06 increases the impurity elements Sb, Cd, Zn, Ni content limits.

--- Increase in "inspection rules" in the "weight of each batch of products should generally be no more than 100kg";

--- Original standard "Pb-05 product with a transparent polyester film after wrapping with plastic package; Pb-06 product with glass or plastic Etc. vacuum packaging. "Amended to" after the Pb-05 product package with a transparent polyester film, plastic bags vacuum packaging; Pb-06 production Product with glass or plastic and other vacuum packaging, or by both parties agree Packing and packaging package. " this standard by the national non-ferrous metals Standardization Technical Committee (SAC/TC243) centralized.

This standard was drafted. Dongfang Electric Group Co., Ltd. Emei Semiconductor Materials.

1 Scope

This standard specifies the requirements of high purity lead, test methods, inspection rules and signs, packaging, transportation, storage and quality certificate and contract (Or orders) content.

This standard applies to 99.94% of lead ingots as raw materials, lead perchlorate solution (silicon or fluorine lead acid solution) prepared by the electrolytic refining 99.999% purity lead; 99.999% high purity electrolytic refining of lead as raw material and the obtained 99.9999% purity lead. (These products as for compound semiconductor, refrigeration components, infrared photoelectric conversion device, the temperature difference between efficient components and solder used).

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.

YS/T 229 (all parts) purity lead analysis

3.1 Categories

Purity lead by chemical composition into Pb-05, Pb-06 two grades.

3.2 Chemical composition

Chemical composition of the product in line with the provisions in Table 1.

Table 1 chemical composition purity lead

Trademark

chemical composition Pb content /% not less than Impurity content of not more than/10-4%
as Fe Cu Bi Sn Sb Ag Mg Al Cd Zn Ni Pb-05 99.999 0.3 0.5 0.8 1.0 0.5 0.5 0.5 0.5 0.5 0.5
1.0 0.5 Pb-06 99.9999 0.1 0.05 0.05 0.1 0.05 0.1 0.05 0.1 0.1 0.1 0.1

Note 1: Pb-05, Pb-06 grades of lead content of impurity elements in the sum of 100% minus the actual margin listed in the table.

Note 2: Other impurity elements not specified in the table, or by both parties through consultation.

3.3 Appearance quality

Products were silver ingots, fine crystal, no oxidation spots, the surface should be smooth, no glitches, dirt, shrinkage, mezzanine and cracks.

3.4 Other

When the demand side, if any special requirements, negotiated by both parties to resolve.