

ICS 77.150.60
CCS H 69



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

GB/T 21181-2017

Secondarily lead and lead alloy ingots

再生铅及铅合金锭

(English Translation)

Issued on: July 12, 2017

Implemented on: June 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Requirements...	4
4 Test methods...	5
5 Inspection rules...	7
6 Marks, packaging, storage, transport and quality certificate...	9
7 Purchase order (or contract) content...	10

Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 21181-2007 Secondly lead and lead alloy ingots. Compared with GB/T 21181-2007, the main technical changes in content are as follows.

- deleted three designations. ZSPb99.98, ZSPb99.95, ZSPb98.00;
- added two designations. ZSPb99.994, ZSPb99.992.

This Standard was proposed by China Nonferrous Metals Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee on Nonferrous Metals of Standardization Administration of China (SAC/TC 243).

Main drafting organizations of this Standard. Anhui Huaxin Lead Industry Group Co., Ltd., Anhui Narada Renewable Resources Technology Co., Ltd.
The drafting organizations of this Standard. Henan Yuguang Gold Lead Co., Ltd., Hubei Jinyang Metallurgical Co., Ltd., Jiangsu Xinchunxing Renewable Resources Limited, Anhui Academy of Environmental Sciences.

Main drafters of this Standard. Sun Feng, Zhu Qingyong, Wang Senlin, Han Jianmin, Duan Kexiang, Huang Xianfa, Zhu Guixian, Zhu Baoyi, Shen Chenkuan, Wang Zaigao, Jia Li, Li Ze, Zhao Bo, Wang Jin, Zhou Feng, Ma Yonggang, Liu Qingfang.

Secondarily lead and lead alloy ingots

1 Scope

This Standard specifies the requirements, test methods, inspection rules and marks, packaging, storage, transport, quality certificate and purchase order (or contract) of secondarily lead and lead alloy ingots.

This Standard is applicable to secondarily lead and lead alloy ingots that take lead-containing waste as raw material and are through smelting processing production, mainly used for storage batteries, alloys and chemical industry and other fields.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 1250, Rules for expression and judgement of limiting values

GB/T 4103 (all parts), Methods for chemical analysis of lead and lead alloys

GB/T 8170, Rules of rounding off for numerical values & expression and judgement of limiting values

3.1 Product classification

The chemical composition of secondarily lead and lead alloy ingots is divided into 7 designations. ZSPb99.994, ZSPb99.992, ZSPbSb1, ZSPbSb2, ZSPbCa, ZSPbSn1, ZSPbSn2.

3.2.1 The chemical composition of secondarily lead and lead alloy ingots

shall comply with the provisions of Table 1.

5.1.1 The secondarily lead and lead alloy ingots shall be inspected by

supplier's technical supervision department so as to ensure that the product quality complies with the provisions of this Standard or purchase order (or contract) and fill in the quality certificate.

5.1.2 The purchaser shall inspect the product received according to the

provisions of this Standard. If the inspection results fail to comply with the provisions of this Standard or purchase order (or contract), the purchaser shall put forward to the supplier within 15 days after the product is received. It shall be solved by the supplier and the purchaser via negotiation. If arbitration is required, the sampling for arbitration shall be carried out by the supplier and the purchaser.

5.2.1 The secondarily lead and lead alloy ingots shall be submitted in

batches for inspection. Each batch shall consist of the products of same smelt number. The batch shall not exceed 120 t.

5.2.2 According to purchaser's needs, allowing a number of batches of the

same designation to form an inspection batch. The batch size shall be carried out according to purchaser's requirements.

5.3 Inspection items

Each batch of secondarily lead and lead alloy ingots shall be subjected to the inspections of chemical composition and surface quality.

5.4.1 Arbitration sample quantity. extract 2% of secondarily lead and lead

alloy ingots at random as sample ingot. The total number of sample ingot shall be multiple of 6 for easy grouping. When there is less than 6 after grouping, it shall make up from the secondarily lead and lead alloy ingots but

it must not discard.

5.4.2 Arbitration sampling method. make each 6 extracted sample ingots as

a group. Take a sample by drilling or sawing. During drilling or sawing, it must not use any lubricant. Its speed must not oxidize the sample. Sampling shall remove the skin. The drilling, sawing depth must not be less than 2/3 of ingot thickness. Details are as follows.

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