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

GB/T 26045-2025

Replacing GB/T 26045-2010

Lead alloys ingot for accumulator cell slab lattice

蓄电池板栅用铅合金锭

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 26045-2010 "Lead-Calcium Alloy Ingots for Battery Grids". Compared with GB/T 26045-2010, except for the structure... Aside from adjustments and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2010 edition);
- b) The lead-calcium alloy ingot grades were changed, and the grades "PC1, PC2, PC3, PC4, PC5, PC6" were merged and changed to the grade "PbCa" (see...). Chapter 4 (4.1 in the.2010 edition);
- c) Three new product categories have been added. recycled lead-calcium alloy ingots, lead-antimony alloy ingots, and lead-rare earth alloy ingots (see Chapter 4);
- d) The chemical composition of the lead-calcium alloy ingot was changed (see 5.1.1, 4.2 of the.2010 edition);
- e) The chemical composition of recycled lead-calcium alloy ingots, lead-antimony alloy ingots, and lead-rare earth alloy ingots has been increased (see 5.1.1);
- f) A single-weight specification of $27\text{kg}\pm 3\text{kg}$ has been added (see 5.2.2);
- g) The time limit for the supplier to notify the supplier when test results are inconsistent has been changed from "15 days" to "30 days" (see 7.1.2,.2010). Version 6.1.2);
- h) The requirement of "batch size not exceeding 100t" has been added (see 7.2). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China Nonferrous Metals Industry Association. This document is under the jurisdiction of the National Technical Committee on Standardization of Nonferrous Metals

(SAC/TC243). This document was drafted by: Hunan Shuikoushan Nonferrous Metals Group Co., Ltd., Henan Yuguang Gold & Lead Co., Ltd., and Jiangsu Chunxing Alloy (Group) Co., Ltd. Group) Co., Ltd., Hubei Jinyang Metallurgical Co., Ltd., Anhui Leoch Power Technology Co., Ltd., Anhui Lukong Environmental Protection Co., Ltd., Anhui Kai Platinum Environmental Protection Technology Co., Ltd., Yunnan Chihong Zinc & Germanium Co., Ltd., Chenzhou Municipal Product Quality Supervision and Inspection Institute, Hunan Guiyang Yinxing Nonferrous Metals Co., Ltd. Smelting Company Limited. The main drafters of this document are. Yan You, Zhao Jingang, Hu Weiwen, Bai Chengqing, Zuo Jianrong, He Yuefeng, Dong Jie, Li Ze, Yang Dawei, Ma Yonggang, and Li Jun. Shu Shaoming, Zhang Shuxiang, Zhang Yingxi, Xing Xin, Zhu Qingyong, Zhu Senlin, Xu Gang, He Yongyi, Xie Lei, Wang Wentao, Zhou Huawen, Jiang Qing, Tong Chengye, Zhao Zhenbo Qian Xiaodong, Liu Tuanshan, Cao Hua, Zhao Didi. This document was first published in 2010, and this is its first revision. Lead alloy ingots for battery grids

1 Scope

GB/T 26045-2025 is the Chinese national standard on lead alloys ingot for accumulator cell slab lattice, 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 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. 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 document specifies the product classification, technical requirements, test methods, inspection rules, marking, packaging, and transportation of lead alloy ingots for battery grids. Storage and accompanying documents and order contents. This document applies to the production and trade of lead alloy ingots for battery grids.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated references are listed below. Only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. document. GB/T 469 Lead Ingots

GB/T 4103 (all parts) Chemical analysis methods for lead and lead alloys

GB/T 8170 Rules for rounding off numerical values and the representation and determination of limiting values

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Using lead ingots or recycled lead ingots as raw materials, and adding metals such as calcium, aluminum, tin, antimony, copper, selenium, arsenic, bismuth, and rare earth elements, the mixture is melted and alloyed before being cast. Lead alloy ingots produced for the manufacture of battery grids.

3.2 Lead-calcium alloy ingot lead-calcium alloy ingot Lead alloy ingots are made by adding metals such as calcium, aluminum, and tin to lead ingots, and then casting them after melting and alloying.

3.3 Secondary lead-calcium alloy ingots Lead alloy ingots are made by adding metals such as calcium, aluminum, and tin to recycled lead ingots, and then casting them after melting and alloying.

3.4 Lead-antimony alloy ingot Lead alloy is made by adding metals such as antimony, tin, copper, selenium, arsenic, and bismuth to lead ingots or recycled lead ingots as raw materials, and then casting them after melting and alloying treatment. Gold ingots.

3.5 Lead-rare earth alloy ingot lead-rare earth alloy ingot Lead alloy ingots are made by adding rare earth elements, calcium, aluminum, tin, silver and other metals to lead ingots, and then casting them after melting and alloying.

4 Product Categories

Lead alloy ingots for battery grids are classified according to their chemical composition into lead-calcium alloy ingots, recycled lead-calcium alloy ingots, lead-antimony alloy ingots, and lead-rare earth alloy ingots.