

ICS 71.100.10
CCS Q 52



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

GB/T 26297.3-2010

**Sampling of carbonaceous materials used for aluminium
production -- Part 3: Prebaked blocks**

铝用炭素材料取样方法 第3部分：预焙阳极

(English Translation)

Issued on: January 14, 2011

Implemented on: November 1, 2011

Issued by: Standardization Administration of China

Table of Contents

Foreword

1 Scope

2 Large or bulk sampling program at delivery

2.1 General

2.2 Sampling base

2.3 Sampling plan based on the development of acceptable quality level (AQL)

Foreword

GB/T 26297 "sampling method of carbon material with aluminum" is divided into six parts.

--- Part 1. Bottom charcoal;

--- Part 2. side carbon block;

--- Part 3. prebaked anode;

--- Part 4. cathode paste;

--- Part 5. coal tar pitch;

--- Part 6. calcined petroleum coke.

This section GB/T Part of 326,297.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted Law Amendment uses ISO 8007-2:1999 "carbonaceous materials used in aluminum and sampling program taken from a single block Part Sample 2. prebaked anode. " The partial modification of the use of ISO 8007-2:1999, it will be its catalog, foreword, normative references and reference Meaning deleted. For more operational, this part of the country according to the specific circumstances of additions and modifications to a number of provisions that a single vertical line Logo they involved provisions margin. For your convenience, listed in Appendix B of this part of the reg and ISO 8007-2:1999 Chapter of the table. Add or modify the provisions are.

--- Sampling base modify the anode blocks (see Table 1);

--- Added "both supply and demand and to be the basis of their consultation to develop other sampling plan" (see 2.6);

--- Added "test for arbitration, each batch of prebaked anode carbon block which extracts only a piece of charcoal, and just take a test on the carbon block Like, and then determine

the sample taken from the sample quantity in accordance with the number of items to be detected "(see 3.2.1);

--- Added "both supply and demand can be negotiated sampling position and orientation" (see 3.3).

This part of ISO 8007-2:1999 Appendix A as part of this Appendix A, in accordance with an example of how qualified water quality Level (AQL) sampling.

The non-ferrous metal part by the National Standardization Technical Committee (SAC/TC243) centralized.

This section is responsible for drafting units. Aluminum Corporation of China Zhengzhou Research Institute, China Nonferrous Metals Industry Quality Standards and Metrology Institute the study.

Participated in the drafting of this section. Shandong Nanshan Aluminum Co., Ltd., Shandong Chenyang Carbon Co., Ltd..

1 Scope

This section GB/T 26297 specifies the development and implementation of prebaked anodes when the bulk sampling program or batch delivery, as well as from a single block Take a sample of the best location choice prebaked anode.

This section applies to the bulk sampling program or batch prebaked anode blocks and prebaked anodes single sampling time of delivery.

2.1 General

As long as the parties have agreed in accordance with acceptable quality level (AQL) to determine the sampling plan can be sampled from a variety of parties in this section Select a case recognized by all concerned as a program implementation plan. Interested parties should be measured to determine the properties (such as density and Resistivity), so that the sampling plan in order to achieve the ultimate goal of providing the most representative samples for subsequent performance testing.

When the parties changed on sampling programs (see Table 1, Table 2, Table 3 and Table 4) as recommended values \u200b\u200bgiven in this part of step Procedure still applies.

When n/N is less than 10%, the efficiency of the sampling scheme depends entirely on the number of (n , ie sample size) sampling units, and with the batch the number of size (N) irrelevant. In practice, the required representation on the basis of Table 1, Table 2, Table 3 and Table 4 to select the sample size (n).

If experience shows that the quality of products in line with the production side of protocol requirements, and have the same quality of each batch of product has been ongoing

compliance Contract, you can choose a lower-cost sampling program, using a smaller sampling units (n).

If subsequent experience has shown that time by requiring prior acceptance has been reached, the product quality of the production side does not meet these requirements, it certainly to be more efficient to re-use the original sampling plan.

In addition, it can also be used to detect the average value (within the allowable deviation range) instead of the acceptable quality level (AQLs) developed sampling plan.

In developing the sampling program is recommended to use mathematical or statistical quality control map as processing tools.

2.2 Sampling base

Both parties shall determine by sampling base. Sampling units should base the anode blocks.

2.3 Sampling plan based on the development of acceptable quality level (AQL)

Before sampling plan based on these tables to determine, you must first determine the following parameters.

- a) acceptable quality level, is considered the average minimum acceptable quality level.
- b) Whether the use of a routine examination or the use of tightened inspection, the final test results are extracted by a few batches of the aliquot Analysis of the results of the decision. 2.5.2 in accordance with the principles given in choosing a routine examination or the use of tightened inspection.
- c) batch size may be the same production batch number of products that can also be a continuous total monthly production or delivery.

2.4 in accordance with the acceptable quality level (AQL) sampling plan implementation

2.4.1 Table 1 gives the recommended value of 2.3 appropriate three parameters. If necessary, both supply and demand values \u200b\u200bcan be determined by mutual agreement Instead of these recommendations, but it must be noted in the sampling report.