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

GB/T 26297.1-2010

**Sampling of carbonaceous materials used for aluminium
production -- Part 1: Cathode blocks**

铝用炭素材料取样方法 第1部分：底部炭块

(English Translation)

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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 126,297.

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

This section uses redrafted Law Amendment uses ISO 8007-1:1999 "carbonaceous materials used in aluminum Sampling plans and sampling from a single block section Part 1. cathode blocks. " The partial modification of the use of ISO 8007-1:1999, it will be its catalog, foreword, introduction, and the normative references given Meaning deleted. According to the country's specific circumstances and the cathode block was carried out technical corrections in specific applications electrolyzer. Meanwhile, in order more convenient in the sampling operation, additions and modifications to some provisions, which identifies a single vertical line in which they are involved in terms of margin. for Easy to control, listed in this section and the corresponding clauses of ISO 8007-1 in Appendix A. Chapter 1999 of the table as well as the technical differences.

Such modifications and provisions are.

- Clear both supply and demand can be negotiated other sampling methods;

Bottom sampling --- without dovetail slots perpendicular to the intended change in direction

as the face sampling, remove the parallel sampling;

--- Remove the bottom of the sample with a dovetail groove in relation to the extra length of the sample in a direction perpendicular to the direction intended as Face to sampling, remove the parallel sampling;

--- Clear monolithic carbon block sampling location;

--- Advice from a random sample of each batch of charcoal in charcoal and charcoal in the amount of sample taken to meet the meet the inspection requirements.

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.

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1 Scope

This section GB/T 26297 specifies the methods of sampling and sampling from a single carbon block bottom carbon blocks upon delivery.

This section applies to a single sampling and sampling from the bottom of the bottom of the carbon block carbon block upon delivery.

2 Sampling tool

Selection of diamond or other superhard material blade hollow drill.

3 Sampling Methods

Step 3.1

3.2, 3.3 and 3.4 as required for sampling. In determining the location of sampling, should be treated differently at the bottom of the carbon block dovetail with and those without the bottom of the carbon block dovetail slots, the sampling location is shown in Figure 1 and Figure 2. Other methods can also be negotiated supply and demand sides of the sample.

3.2 Sampling without dovetail bottom of the carbon block

In order to ensure the bottom of the carbon block after sampling can continue to use, is on the bottom of the carbon block without dovetail sampling, location should be the end Carbon block to be machined parts dovetail, intended as a sample perpendicular to the

face direction. Sampling location. Sampling from the bottom center of charcoal the minimum distance between the surface of 60mm, the left and right in the middle of the block. Sample position is shown in Figure 1.

Sampling position of Figure 1 without bottom dovetail carbon block schematic

3.3 Dovetail with the bottom of the carbon block sampling

It should be perpendicular to the face, at 200mm from the end of the drill samples. Sample position is shown in Figure 2.

The bottom of Figure 2 with dovetail carbon block schematic diagram of the sampling location