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GB/T 22661.1-2008

Chemical analysis methods of potassium fluoborade - Part 1: preparation and storage of test samples

氟硼酸钾化学分析方法 第1部分：试样的制备和贮存

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Table of Contents

1 Scope

2 Normative references

3.3.2 Equipment

3.3.3 Procedure

Foreword

GB/T 22661 "potassium fluoroborate chemical analysis method" is divided into 10 parts.

--- Part 1. Preparation and storage of test samples;

--- Part 2. Determination of the weight of water in the wet method;

--- Part 3. Determination of potassium fluoride boric acid sodium hydroxide volumetric method;

--- Part 4. Determination of magnesium by flame atomic absorption spectrometry;

--- Part 5. Determination of calcium content by flame atomic absorption spectrometry;

--- Part 6. Determination of silicon content - Molybdenum blue spectrophotometric method;

--- Part 7. Determination of sodium content by flame atomic absorption spectrometry

--- Part 8. Determination of the free boronic acid sodium volumetric method;

--- Part 9. Determination of the chlorine content of mercuric nitrate volumetric method;

--- Part 10. Determination of phosphorus pentoxide content - Molybdenum blue spectrophotometric method. This section GB/T 22661 Part 1. This part is proposed by the China Nonferrous Metals Industry Association. The non-ferrous metal part by the National Standardization Technical Committee. This section is drafted. Hunan Nonferrous fluorine chemical limited liability company. Participated in the drafting of this section. Fluoride Chemicals Co., Ltd., Zhengzhou Research Institute, Aluminum Corporation of China, Hengyang City State Friends Chemical Technology Co., Ltd. The main drafters of this section. Li Zhijian, Zhu Liang, Liao Zhihui, Chen Chun, Xu Jin Xue, Lvjin Kui, Feng Jingdong, Liu Zhihong Huang Ju in particular, Liu Min. Chemical analysis methods of potassium fluoroborate Part 1. Preparation and storage of test samples

1 Scope

GB/T 22661.1-2008 is the Chinese national standard on chemical analysis methods of

potassium fluoborade - part 1: preparation and storage of test samples, 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 29 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 77.120.10, CCS H61. 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 section GB/T 22661 specifies the preparation and storage of the original sample and potassium fluoroborate dried sample. Preparation and Storage This section applies to the original sample and potassium fluoroborate dried sample.

2 Normative references

The following documents contain provisions which, through reference

GB/T 22661 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 6679 General rules for sampling solid chemical products Preparation and storage of specimens 3

3.1 laboratory sample Using

GB/T 6679 stipulated in laboratory sample preparation and storage methods.

3.2 original sample For some geometric properties measured for testing certain physical and physico-chemical properties, as well as for determination of hygroscopic moisture. Take about 300g solid Laboratory sample (3.1), which was stored in a sealed container, the container is almost filled sample is appropriate.

3.3 drying specimens Chemical tests for the determination of certain geometrical characteristics and certain physical and chemical physics test.

3.3.1 Sample grinding The sample was milled and sieved until all of 0.125mm sieve pore size of up. The sample mixing sieved at 110 °C ± 5 °C drying 2h.

3.3.2 Equipment

3.3.2.1 test sieve. its sieve size of 0.125mm. Not tested by introducing an impurity element material, and be based on potassium fluoroborate Properties measured impurity element selected test sieves.

3.3.2.2 mortar. steel made of jade or agate.

3.3.2.3 electric oven. Natural convection ventilation, to control the temperature of 110 °C ± 5 °C.

3.3.3 Procedure

3.3.3.1 About 100g laboratory sample (3.1) through the test sieve (3.3.2.1), the sieve residue particles on the mortar (3.3.2.2) Milled and sieved again, sieved material was added to the front of the screen carefully mixing the compound. Repeated grinding, screening, mixing until all samples All through a sieve so far.

3.3.3.2 The sample (3.3.3.1) into a platinum dish, and put into an electric oven (3.3.2.3), and at a temperature of 110 °C ± 5 °C drying 2h . and After removing the platinum dish from an electric oven, placed in the dryer to cool to room temperature.

3.3.3.3 The sample (3.3.3.2) stored in airtight containers for the storage requirements of the container volume to almost completely filled by the sample Appropriate.