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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 22662.2-2008

Chemical analysis methods of potassium fluotitanate - Part 2: Determination of moisture content - By gravimetric method

氟钛酸钾化学分析方法 第2部分：湿存水含量的测定 重量法

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Foreword

GB/T 22662 "potassium titanate fluorine chemical analysis method" is divided into nine sections.

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

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

--- Part 3. Determination of fluorine potassium titanate ammonium ferric sulfate volumetric method;

--- Part 4. Determination of silicon content - Molybdenum blue spectrophotometric method;

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

--- Part 6. Determination of iron content by flame atomic absorption spectrometry;

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

--- Part 8. Determination of the chlorine content of mercuric nitrate volumetric method;

--- Part 9. Determination of phosphorus pentoxide content - Molybdenum blue spectrophotometric method. This is Part 2 GB/T 22662 of. 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, Shi Xiuhua, Li Yongqiang, Guoxian Hui, Feng Jingdong, Liu Zhihong Huang Ju in particular, Liu Min. Potassium titanate fluorine chemical analysis Part 2. Determination of the content of water in the wet Gravimetric method

1 Scope

GB/T 22662.2-2008 is the Chinese national standard on chemical analysis methods of potassium fluotitanate - part 2: determination of moisture content - by gravimetric method, 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 22662 specifies the method for determination of fluorine potassium titanate wet water storage component. This section applies to the determination of fluorine potassium titanate wet water storage component. Measuring range. <=0.5%.

2 Normative references

The following documents contain provisions which, through reference

GB/T 22662 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 22662.1-2008 fluorine potassium titanate chemical analysis methods - Part 1. Preparation and storage of test samples

3 Method summary

The sample was dried at 110 °C and measuring the amount of loss.

4 Instrument

4.1 weighing bottle. diameter 45mm, flat type.

4.2 electric oven. the temperature can be controlled at 110 °C ± 5 °C.

5 Sample

The specimen shall comply with GB/T 22662.1-2008 in

3.2 requirements. Step

6 Analysis

6.1 Sample Weigh 2.5g of the original sample (5), to the nearest 0.001g, denoted m1 0.

6.2 Determination of the number of Independently measured twice and averaged.

6.3 Determination

6.3.1 The sample (6.1) placed in a pre-bake 2h at 110 °C ± 5 °C in an electric oven (4.2) inside and cool in a desiccator weighing bottle (4.1), the lid was weighed (accurate to 0.001g), referred to as m1 2.

6.3.2 Place the sample weighing bottle (6.3.1) where the temperature was adjusted to 110 °C ± 5 °C in an electric oven, the lid of the bottle rack on top do not cover strict. At the same time placed in an oven with a diameter slightly larger than the weighing bottle table dish, bake 2h, remove the cap put on the table dish, and place all dry Dry vessel. After cooling, remove the sheet pan, cap tightly, and weighed (accurate to 0.001g), referred to as m1. 7. Calculation of analytical results According to formula (1) to calculate the mass fraction of water in the wet (%).