

ICS 71.060.50
CCS H 21

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**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 535.10-2009

Replacing YS/T 535.10-2006

**Chemical analysis methods of sodium fluoride. Part 10:
Preparation and storage of test samples**

氟化钠化学分析方法 第10部分：试样的制备和贮存

(English Translation)

Issued on: December 4, 2009

Implemented on: June 1, 2010

Issued by: Ministry of Industry and Information Technology

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Foreword

YS/T 535 "chemical analysis of sodium fluoride" is divided into 10 parts.

- Part 1. Determination of the weight of water in the wet method;
- Part 2. Determination of distillation of fluorine content - thorium nitrate titration volumetric method;
- Part 3. Determination of silicon content - Molybdenum blue spectrophotometric method;
- Part 4. Determination of iron content phenanthroline spectrophotometry;
- Part 5. Determination of soluble sulfate turbidity method;
- Part 6. Determination of carbonate content - Gravimetric method;
- Part 7. Determination of acidity and law;
- Part 8. Water-insoluble content - Gravimetric method;
- Part 9. Determination of chlorine turbidity method;
- Part 10. Preparation and storage of test samples.

This section 10.

The partial replacement of YS/T 535.10-2006 (formerly GB/T 8158.10-1987).

This part is YS/T 535.10-2006 "sample preparation and storage of sodium fluoride," the amendment.

The non-ferrous metal part by the National Standardization Technical Committee and centralized.

This part of the Fushun Aluminum Co., Ltd., China Nonferrous Metals Industry Institute of

Standards Metrology and Quality is responsible for drafting.

This part of the Fushun Aluminum Co. drafted.

1 Scope

This section specifies the method of preparation and storage of the original sample and the sodium fluoride dried sample.

This section applies to the preparation and storage of the original sample and the sodium fluoride dried sample.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

YS/T 517 sodium fluoride

3 Instruments and equipment

3.1

Test sieve. its sieve size of 0.125mm. Select the test sieve according to the nature and sodium fluoride measured impurity elements.

3.2

mortar. steel made of jade or agate.

3.3

Electric oven. Natural convection ventilation, to control the temperature of $110^{\circ}\text{C} \pm 5^{\circ}\text{C}$.

Preparation and storage of the sample 4

4.1 Original sample

Using YS/T 517 as specified in the method of preparing and storing samples of about 300g. Container volume slightly larger than the volume of the sample is appropriate.

4.2 Drying specimens

4.2.1

About 100g of the original sample (4.1) through the test sieve (3.1), the sieve residue particles in a mortar (3.2) in the grinding, and again Sieved and sieved sample added to the

front of the screen resulting in a sample carefully mixed. Repeated grinding, screening, mixing until all samples were all passed through the sieve Child so far.

4.2.2

The sample (4.2.1) into a platinum dish, placed in an electric oven (3.3), the control temperature of $110\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ drying 2h. Then from the power Remove oven platinum dish, set the dryer to cool to room temperature.

4.2.3

The sample (4.2.2) stored in airtight containers, container volume with a test material slightly larger size is appropriate.

5 Container tag

Container must be labeled, marked with the following.

- a) Name of the sample;
- b) the sample source;
- c) the nature of the sample (raw or dried);
- d) The model with a sieve;
- e) the date of preparation.