

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

SN/T 3056.1-2011

**Determination of essential parameters of chemical raw
materials for use in fireworks and firecrackers. Part 1:
Potassium hydrogen phthalate**

烟花爆竹用化工原材料关键指标的测定 第1部分：苯二甲酸氢钾
(English Translation)

Issued on: September 9, 2011

Implemented on: April 1, 2012

Issued by: General Administration of Customs

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3.1 Drying the sample
- 3.2 Determination of water-insoluble content

Foreword

"Determination of fireworks with chemical raw materials key indicators" SN/T 3056 series of standards is divided into 15 parts.

- Part 1. potassium hydrogen phthalate;
- Part 2. sodium fluoride;
- Part 3. Red Lead;
- Part 4. basic copper carbonate;
- Part 5. sulfur;
- Part 6. strontium sulfate;
- Part 7. copper sulfate;
- Part 8. potassium chlorate;
- Part 9. sodium bicarbonate;
- Part 10. strontium carbonate;
- Part 11. iron;
- Part 12. barium nitrate;
- Part 13. Silver nitrate;
- Part 14. bismuth oxide;
- Part 15. potassium dichromate.

This section SN/T 3056 Part 1.

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

This section proposed and managed by the National Certification and Accreditation

Administration Committee.

1 Scope

SN/T 3056 provisions of this part of the measuring method fireworks containing potassium hydrogen phthalate in water-insoluble matter content of hydrochloric acid insoluble matter Determination of the amount of alkali insoluble content measurement method, the determination of acid content determination method of potassium hydrogen phthalate content of water Determination of content of the method of measuring pH value, determination of moisture absorption rate, the determination of fineness.

This section applies to fireworks Determination of potassium hydrogen phthalate in water-insoluble content measured hydrochloric acid insoluble content of the alkali insolubles Determination of Determination of acid content was measured potassium hydrogen phthalate content, moisture content, pH measurement, the moisture absorption rate Determination, the determination of the fineness and the like.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 6003.1 Test sieves of metal wire cloth GB/T 8170 repair value expressed about the rules and limit values and judgment Test Method 3

3.1 Drying the sample

Sample at $105\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ dried 3h, into the dryer to cool reserve. After drying the sample for the addition of water, fine gives items seized Measured by.

3.2.1 Principle

After the sample was dissolved in water, filtered, dried and insoluble matter was weighed.

3.2.2 Instruments

3.2.2.1

Drying oven. Controlled temperature $105\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$.

3.2.2.2

Analytical balance. accuracy of 0.1mg.

3.2.2.3 4 emery core Crucible. volume 30mL. After pumping water sufficiently washed, dried at $105\text{ }^{\circ}\text{C}$ 3h, cooled in a desiccator.

3.2.2.4

filtration device.

3.2.3 Analysis of step

3.2.3.1

Weigh a sample of about 5g, accurate to 0.1mg, dissolved in 300mL of water, heated and maintained a boil 5min.

3.2.3.2

sand core which has been weighed crucible mounted on the filtration device, the resulting test solution was poured into the sand core 3.2.3.1 crucible suction filtration. Beaker Material was attached to the wall under the water, then wash with warm water.