

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

SN/T 3056.3-2011

**Termination of essential parameters of chemical raw materials for
use in fireworks and firecracker. Part 3: Lead tetraoxide powder
(English Translation)**

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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 3.

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 fireworks with the determination of lead content of red lead, lead oxide content determination, carbon Determination of lead content, determination of nitrate content of insoluble matters, measurement method of iron content, moisture content and particle size test methods.

This section applies to the determination of fireworks with a lead content of red lead, lead oxide content determination, of the content of lead dioxide, nitric acid is not Determination of soluble matter content, Determination of iron content determination, moisture content and particle size determination.

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.

Preparation of GB/T 601 chemical reagent standard titration solution General Method GB/T 3049 Industrial chemicals determination of iron content 1,10 phenanthroline spectrophotometry Lynn GB/T 6003.1 woven wire mesh test sieve (GB/T 6003.1-1997, ISO 3310-1:1990, NEQ) GB/T 6003.2 Test sieves of perforated metal plate (GB/T 6003.2-1997, ISO 3310-2:1990, NEQ) GB/T 6003.3 electroformed sheet test sieve (GB/T 6003.3-1999, ISO 3310-3:1990, NEQ) GB/T 6005 Test sieves - Metal wire cloth, perforated plate, electrical sheet - basic mesh size (GB/T 6005-1997, ISO 565:1990, NEQ) Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 8170 repair value expressed about the rules and limit values and judgment

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 project to detect water points outside use.

3.2.1 Principle

Sample with nitric acid and hydrogen peroxide dissolved was filtered, dried insolubles, call quality.

3.2.2 Reagents

Unless otherwise indicated in the analysis using only confirm at least three water analytical grade reagents and GB/T 6682 stipulated.

3.2.2.1

nitric acid (12).

3.2.2.2

Hydrogen peroxide (30%).