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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 1732.12-2013

Pyrotechnic composition used for fireworks and firecracker. Part 12: Determination of red-phosphorus content

烟花爆竹用烟火药剂 第12部分：红磷含量的测定

(English Translation)

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Foreword

SN/T 1732 "with fireworks pyrotechnic" is divided into 13 parts.

--- Part 1. Determination of barium content;

--- Part 2. Determination of dichromate;

--- Part 3. Determination of zinc content;

--- Part 4. Determination of copper content;

--- Part 5. Determination of titanium content;

--- Part 6. Determination of strontium content;

--- Part 7. Determination of lead content;

--- Part 8. Determination of sodium content;

--- Part 9. Determination of magnesium content;

--- Part 10. Determination of sulfur content;

--- Part 11. Determination of potassium content;

--- Part 12. Determination of red phosphorus content;

--- Part 13. Determination of boric acid content;

This section SN/T 1732 Part 12.

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.

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1 Scope

This section SN/T 1732 specifies the method prescribed fireworks Pyrotechnic in red phosphorus content measurement and safety technology.

This section applies to the determination of red phosphorus content fireworks pyrotechnic medicament.

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 GB/T 603 chemical reagent in test methods - Preparations with Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 8170 repair value expressed about the rules and limit values and judgment GB/T 15813-1995 Fireworks forming agent sample separation and crushing Principle 3 with concentrated nitric acid oxidation of red phosphorus, phosphate, red phosphorus content was measured quinoline phosphomolybdate gravimetric method in acid medium.

5 Reagents

Unless otherwise indicated in the analysis using only confirm at least three water analytical grade reagents and GB/T 6682 stipulated. test the necessary reagents, in the absence of other provisions indicate, according to GB/T 601 and GB/T 603 provisions prepared.

5.1

of concentrated nitric acid (1.42g/cm3).

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