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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 2498.4-2012

Basic environmental testing for the import and export fireworks and firecracker articles. Damp heat, steady state

进出口烟花爆竹制品基本环境试验规范：恒定湿热试验方法

(English Translation)

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Foreword

SN/T 2498 "Importers Pyrotechnic products environmental testing standard" is divided into four parts.

--- Part 1. Test Db. Damp heat test, cyclic;

--- Part 2. Test Ed. Free fall;

--- Part 3. Test Z/AD. temperature, humidity cyclic test methods;

--- Part 4. Damp heat test method.

This section SN/T 2498 "Importers Pyrotechnic products basic environmental test specifications," Part 4.

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

This section SN/T 2498 provisions of the import and export of fireworks products Basic Environmental Testing "Damp heat test," Test Method.

This section applies to determine the suitability of the import and export of fireworks products used and stored at a constant hot and humid conditions.

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.

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SN/T 0306.2 export fireworks testing procedures - Part 2. Toy Fireworks delivery inspection SN/T 0306.3 inspection of export fireworks Part 3. Large fireworks delivery inspection SN/T 0306.5-2012 inspection of export fireworks Part 5. Type tests Test Method 3

3.1 Equipment

3.1.1
Temperature/humidity chamber. The temperature can be maintained at 75 °C ± 2 °C, humidity can be maintained at 93% ± 2%.

3.1.2
Automatic temperature and humidity recording system. real-time measurement, recording and storage temperature/humidity test chamber temperature and humidity.

3.2 Sample Requirements

Sample to be tested should be Pyrotechnic products, the number of samples is 6 or 6 sales package.

3.3.1 Initial Detection

Randomly selected three samples or three sales packaging, in accordance with the requirements of SN/T 0306.5-2012 Appendix A, respectively appearance and Regulation Grid size, component mounting, fuse and discharge performance testing, if not appear any missing SN/T 0306.2 and SN/T 0306.3 provisions Trap, then the remaining three or three sales package samples test conditions.

3.3.2 Environmental Testing

3.3.2.1
The test sample kept at room temperature for 2h.

3.3.2.2
The sample was placed in a temperature/humidity chamber, without humidification of the test chamber temperature to 75 °C.

3.3.2.3
until the test chamber temperature was raised to 75 °C and stable, the chamber is set to 93% relative humidity, the samples were humidified, to be tested the inside temperature and relative humidity reaches a predetermined value and stability, it began to calculate the duration of the test, test duration 48h.

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3.3.3 Intermediate detection

During the test conditions should be observed whether the sample produced a fire or explosion, whether to produce colored smoke or gas; temperature and humidity automatically credited by

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