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

SN/T 3629-2013

**Key environmental test for firework products
(English Translation)**

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Foreword

Accordance with the standards GB/T 1.1-2009 given rules to write.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Jiangxi Exit Inspection and Quarantine.

1 Scope

This standard specifies the test equipment, test procedures and test reports Pyrotechnic products basic environmental tests.

This standard applies to the Pyrotechnic products stereotypes Test Environmental Factors.

This standard does not apply to delivery inspection of finished batches of fireworks.

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, undated references, the latest edition (including any amendments) applies to this document.

GB 10631 fireworks safety and quality

3 Test Equipment

3.1

collision test or the like, the collision frequency of 1Hz, as the amplitude of 50mm, the sample platform is placed 2mm ~ 3mm thickness Plate.

3.2

foam rubber sheet thickness 100mm. The material used should be apparent density of 35kg/m³, indentation hardness test value should be 125N.

3.3

drop test stand, make samples at 1m free fall from the apparatus.

3.4

cryostat chamber, temperature of the working space can be maintained at $(-70 \pm 2) ^\circ\text{C}$, the air circulation to keep the temperature uniform.

3.5

high temperature and humidity chamber, including monitoring temperature and humidity sensors. Temperature of the working space can be maintained at $(75 \pm 2) ^\circ\text{C}$, relative humidity Degree should be able to remain within the range of 95-100%.

4 Test sample

Extraction loaded transport packaging products as a test sample, collected a total of two groups listed below.

- When the tank 1 is greater than or equal to the number of products 50, drawn 1 Box;
- When the tank 1 is equal to or greater than the number of products is less than 32 and 50, taking two boxes of products;
- When the tank 1 is less than 32 the number of products, selected three boxes products.

5.1 Screening Test

Take the first set of samples 20, in the discharge of the discharge test site, according to GB 10631 determination, receiving (qualified) then take another second series of tests Samples 20, sequentially following tests.

5.2 Crash Test

5.2.1

The second set of samples were placed on a stable platform crash test machine, cover top foam rubber pad, and then the sample was fixed with ropes, Ensure that the sample container in a collision during the test will not come apart.