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

SN/T 1730.5-2006

**Safety performance test for export fireworks and firecrackers.
Part 5: Dropping test**

出口烟花爆竹安全性能检验方法 第5部分：跌落试验
(English Translation)

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Foreword

SN/T 1730 "Safety Performance Test Method for Export Fireworks and Firecrackers" is divided into.

- Part 1. General;
- Part 2. 75 ° C thermal stability test;
- Part 3. Low temperature stability test;
- Part 4. Anti-vibration test;
- Part 5. Drop test;
- Part 6. Explosion test;
- Part 7. Packaging identification;
- Part 8. Product drug testing;
- Part 9. Aphorism label inspection;
- Part 10. Use safety performance test.

This part is the fifth part of SN/T 1730.

This part refers to the United Nations "Dangerous Goods Transport Recommendations - Test and Standards Manual" Recommendations on the TRANSPORT OF DANGEROUS GOODS---Manual of Tests and Criteria, (ST/SG/AC.10/11/Rev. 4) ("Little Orange Book").

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

This section drafted by. Jiangxi Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China.

1 Scope

This part of SN/T 1730 specifies the test methods and results of the export fireworks and firecracker drop test.

This section applies to the drop test of export fireworks and firecrackers.

2 Normative references

The terms in the following documents become the provisions of this section by reference to this part of SN/T 1730. Quotations with dated , all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouragement is achieved under this section the parties to the agreement study whether the latest versions of these documents can be used. For undated references, the latest edition applies to this section.

GB 50161 Fireworks and Firecracker Factory Design Safety SN/T 1725 export fireworks and firecracker terminology

3 Terms and definitions

The terms and definitions established by SN/T 1725 apply to this part of SN/T 1730.

4.1 Number of samples

Take 3 pieces in the smallest transport package.

4.2.1 Safety barrier

The distance between the inner wall surface of the reinforced concrete protective retaining wall and the falling impact center point is not more than 3m; the wall thickness is not less than 300mm; the height is not less than 2m.

4.2.2 Drop frame

The effective height is not less than 12m.

4.2.3 Release device

The sample can be released from a height of 12 m.

4.2.4 Venue

The safe distance of the site shall comply with the provisions of GB 50161.

4.2.5 Impact surface

A steel plate having a minimum thickness of 75 mm and a Brinell hardness of not less than 200 HB is fixed on a concrete foundation of not less than 600 mm thick;

The impact surface has a length and width that is at least 1.5 times the size of the smallest transport package.

4.2.6 Safety waiting period

The safety waiting period is 5 minutes. If there is a burning or explosion, the waiting time should be extended.

4.3 Test methods

4.3.1

Hang one sample on the release device.

4.3.2

The test personnel evacuate the safety barrier and operate outside the safe distance. Raise the sample to 12m high and release it to free the sample