

ICS 13.300
CCS A 80



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

GB 28645.2-2012

**Safety code for inspection of dangerous goods -- Non-spillage
electric storage**

危险品检验安全规范 密封蓄电池

(English Translation)

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3 is the number of samples.

1 ~ 82

9 ~ 153

16 to 255

26 to 508

51 to 9013

91 to 15020

151 to 28,032

281 to 50050

501 to 120,080

1201 ~ 3200125

3201 to 5.0002 million

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Foreword

This standard Chapter 4, Section 5, Chapter 7 and Chapter 8 is mandatory, the rest are recommended.

This standard was drafted in accordance with rules GB/T 1.1-2009 given.

This standard and the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (sixteenth revised edition) the degree of non-conformity

Equivalent.

This standard is proposed and managed by the Dangerous Chemicals Management Standardization Technical Committee (SAC/TC251).

This standard was drafted. Hunan Entry-Exit Inspection and Quarantine Bureau Technology Center, Tianjin Entry-Exit Inspection and Quarantine Bureau, Jiangnan University.

1 Scope

This standard specifies the wet sealed battery terms and definitions, requirements, performance test, packaging and inspection predetermined rules.

This standard applies to the risk of wet sealing performance test battery.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper

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

GB/T 2828.1 Sampling procedures - Part 1. According to accept the quality limit (AQL) retrieve the batch inspection sampling plan

GB 19458 safety inspection of hazardous properties of dangerous goods - General specifications

UN "Recommendations on Transport of Dangerous Goods Model Regulations of" (sixteenth revised edition)

3 Terms and Definitions

GB/T 2828.1 Definition The following terms and definitions apply to this document.

3.1

Inspection lot inspectionlot

The same brand of material, the same production process of continuous production, the battery of the same size and dimensions, referred to as batch.

4.1 General Requirements Appearance

Battery should identify and comply with the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations," the relevant requirements.

4.2.1 vibration requirements

Vibration test cell capable of withstanding, without liquid leakage of the battery.

4.2.2 requires differential pressure

Test cell capable of withstanding pressure without leakage of a battery liquid.

4.2.3 leakage requirements

Battery fluid leaking through the leak test and vibration test and did not occur at 55 °C electrolyte from cracked or not cracked housing

Effluent, and there is no free liquid effluent.

5.1.1 Test Equipment

Vibration machine.

5.1.2 Test Method

The battery is firmly clamped on the shaker platform, applying amplitude of 0.8mm (1.6mm maximum total deviation) of the simple harmonic motion. Frequencies

Press 1Hz/min varied between 10Hz ~ 55Hz. Each of the battery mounting position (direction of vibration) is applied to all the back and forth vibration frequency range

Wai, time 95min ± 5min. Three mutually perpendicular positions of the battery, if the injection hole and an exhaust hole, down to its position, both feed

Rows are equal to test time.

5.2.1 Test Equipment

pressure gauge.

5.2.2 Test Method

After the vibration test, the battery is stored 6h at $24\text{ }^{\circ}\text{C} \pm 4\text{ }^{\circ}\text{C}$, while applying a pressure of at least 88kPa. Three pairs of batteries

A position perpendicular to each other, if the injection hole and an exhaust hole, down to its position, both of the test at least 6h.

5.3.1 Test Equipment

Explosion-proof oven.

5.3.2 Test Method

Cracked effluent from the electrolytic solution to observe whether cracks or housing and the presence of free flowing liquid at a temperature of $55\text{ }^{\circ}\text{C}$.

6 Sampling

Sampling general appearance by GB/T 2828.1 normally detected for single sampling II general inspection level, the number of samples in Table 1 Performance Test,

3 is the number of samples.

Table 1 Appearance of sampling Number of Units member

Bulk sampling number range

51 to 9013

Table 1 (continued) Unit of member

Bulk sampling number range

7 packing provisions

7.1

packaging container should comply with the transport of dangerous goods regulations, the use of the outer container should be suitable material of adequate strength and capacity according to

The capacity to adapt and use the design and manufacture of packaging container category equal to or higher than the packing group required for the transport of dangerous goods.

Be cast or printed marks and batch printing and packaging, packaging indicia on 7.2 packaging container, lot number should be correct, clear, strong, consistent GB 19458 have