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

GB 28645.1-2012

**Safety code for inspection of dangerous goods -- Chemical
oxygen generator**

危险品检验安全规范 化学氧气发生器

(English Translation)

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1 ~ 82

9 ~ 153

16 to 255

26 to 508

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91 to 15020

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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 terms and definitions of the chemical oxygen generator containing an oxidizing species, requirements, performance test, and testing packing provisions

rule.

This standard applies to testing and marker-containing oxidizing substances chemical oxygen generator, not containing the explosive means and the column start

Test chemical oxygen generator into the first category.

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/T 4857.5 Transport packages drop test method

GB 19432 Bulk Dangerous Goods Safety code for inspection

GB 19434 IBCs for dangerous goods Safety code for inspection

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)

UN "Recommendations Manual of Tests and Criteria on Transport of Dangerous Goods" (fifth revised edition)

3 Terms and Definitions

The United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations", "Recommendations on Tests and Criteria hand Transport of Dangerous Goods

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

3.1

Inspection lot inspectionlot

The same grade material, the same process of continuous production, the cylinders of the same size and dimension, referred to as batch.

3.2

Chemical oxygen generators chemicaloxygengenerator

It means oxygen generated by a chemical reaction with the chemical released after startup.

4.1 General Requirements Appearance

4.1.1

Design of chemical oxygen generator (hereinafter referred to as generator), rational manufacturing, testing equipment and to structure, good protective properties, can withstand

Risk under normal conditions of transport.

4.1.2

generators and materials to be loaded material may not occur any reaction affecting its strength.

Engraving and Printing, print or paste marks, logos and dangerous goods color label should be clear on the exact 4.1.3 generator, about in line with GB 19458

Requirements.

4.2 Performance Requirements

4.2.1

In the case where the packaging is not applicable, the generator should be able to withstand 1.8m height from the most vulnerable parts dropped onto a rigid, non-elastic Of the test on a flat horizontal surface, neither leakage of contents, resulting in not start.

4.2.2

starter generator should have at least two possible to prevent accidental activation of the device effectively.

5.1 Test Equipment

Drop tester, in line with GB/T 4857.5 requirements.

5.2 Drop height

Drop height is 1.8m.

5.3 Test procedure

5.3.1

a first set of three specimens falling portion. The sample was oriented inclined rib portion at its highest point, the center of gravity line of gravity through the lower rib

At the impact of a plane perpendicular to the surface of the lowest point of striking impact. As none of the samples flange should strike a circumferential seam or edge.

5.3.2

a second set of three specimens falling portion. the first group to be dropped, there is no test to the weakest portion impinges on the impact surface,

The valve protection, sample solder (bonding) joints.

After the sample drop 5.3.3, observe the contents of the leaks, the generator is started.

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, the drop test

Number of samples is six.

Table 1 Appearance of sampling Number of Units member

Bulk sampling number range