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

GB/T 45217-2025

**Dangerous goods - Test method for detonation of the package
with self-reactive substances and organic peroxide**

危险货物 自反应物质和有机过氧化物包装件引爆试验方法

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

3.1 [Source. GB 30000.9-2013, 3.1, modified]

3.2 Organic peroxide

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Technical Committee for Hazardous Chemicals Management Standardization (SAC/TC251).

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Dangerous Goods Self-reactive substances and organic peroxides Package detonation test method Warning---People who use this document should have practical experience in formal laboratory work. Special attention should be paid to the test process involving explosions.

The use of products requires relevant qualifications and site conditions or entrusting units with relevant conditions to operate. This document does not indicate all possible For safety issues, users are responsible for taking appropriate safety and health measures.

1 Scope

This document describes the test principles, equipment and materials, test procedures, results and Result determination.

This document applies to tests on self-reactive substances and organic peroxide packages when they are detonated.

2 Normative references

GB/T 700

GB 8031

GB/T 9786

GB/T 21535

GB 30000.9

GB 30000.16

3 Terms and definitions

The terms and definitions defined in GB/T 21535, GB 30000.9 and GB 30000.16 and the following apply to this document.

3.1 [Source. GB 30000.9-2013, 3.1, modified]

A thermally unstable liquid or solid substance or mixture that is susceptible to violent exothermic decomposition even in the absence of oxygen (air).

3.2 Organic peroxide

Liquid containing a divalent -OO- structure, which can be regarded as a derivative in which one or two hydrogen atoms of hydrogen peroxide have been replaced by organic groups solid or organic matter.

Note. The term also includes organic peroxide preparations (mixtures). Organic peroxides are substances or mixtures that undergo exothermic self-accelerating decomposition and are thermally unstable. Compound.

[Source. GB 30000.16-2013, 3.1, modified]