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

GA/T 536.3-2005

**Grading and test method on fire hazard for flammable and
explosive hazmats -- Part 3: Test method of grading for
substances liable to spontaneous combustion**

易燃易爆危险品 火灾危险性分级及试验方法 第3部分：易丁自燃的物质分级试验
方法

(English Translation)

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Foreword

GA/T 536 "Classification and Test Methods for Fire Hazard of Flammable and Explosive Dangerous Goods" is divided into 6 parts.

--- Part 1. Classification of fire hazards for inflammable and explosive dangerous goods;

---Part 2. Test method for flammable solids classification;

---Part 3. Test methods for the classification of substances that are susceptible to spontaneous combustion;

---Part 4. Test method for grading of flammable substances in contact with water;

---Part 5. Method for the classification of solid oxidizing substances;

--- Part 6. Method for the classification of liquid oxidizing substances.

This part is the third part of GA/T 536.

This section mainly refers to the United Nations Committee of Experts on the Transport of Dangerous Goods, Recommendations on the Transport of Dangerous Goods - Manual of Tests and Criteria.

(Revision 3) The technical content of Part III.33.3.1 is formulated, and its structure and writing rules are in accordance with GB/T 1.1-2000.

Provisions.

This part was proposed by the Fire Department of the Ministry of Public Security of the People's Republic this part is under the jurisdiction of the First Technical Committee of the National Fire Protection Standardization Technical Committee (SAC/TC113/SC1).

This section is responsible for drafting the unit. Tianjin Fire Research Institute of the

Ministry of Public Security.

Participated in the drafting of this section. Hebei Provincial Public Security Department Fire Bureau.

1 Scope

This part of GA/T 536 specifies the classification test method for substances that are prone to spontaneous combustion.

This section applies to substances that are prone to spontaneous combustion that require a fire hazard classification.

2 Normative references

The terms of the following documents become the provisions of this part by reference to this part of GB/T 536. 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.

Inflammable and explosives -- Fire hazard grading and test methods - Part 1 Risk grading

3 Terms and definitions

The terms and definitions established by GA/T 536.1 apply to this part of GA/T 536.

4.1 Apparatus and apparatus for testing pyrophoric substances

- a) enamel porcelain evaporating dish, outer diameter 70mm;
- b) quantitative analysis of filter paper, diameter 90mm;
- c) Inorganic insulation board (impermeable, thermal conductivity at 0 ° C is not higher than 0.23W/m · K);
- d) standard mesh screen with a mesh diameter of 0.3 mm;
- e) a dryer equipped with silica gel for drying;
- f) stopwatch (minimum division is not more than 0.1s);
- g) pipette or syringe;
- h) Stainless steel medicine spoon.

4.2 Apparatus and apparatus for heating and heating of self-heating substances

a) oven

The volume is above 9L, and the temperature control accuracy is not more than 1 °C.

b) sample container

One of the cube sample containers each having a side length of 25 mm and 100 mm. The container is made of stainless steel mesh with a mesh diameter of 0.053mm, upper part Opening.

c) sample container cover each of the cube sample container covers each having a side length slightly larger than 25 mm and 100 mm. The sample container cover is made of stainless steel mesh, mesh the diameter is 0.595mm.

d) sample container basket