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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 5169.29-2020

Replacing GB/T 5169.29-2008

Fire hazard test for electric and electronic products - Part 29: Heat release General rules

Issued on: November 19, 2020 **Implemented on: June 1, 2021**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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Foreword

GB/T 5169 "Fire Hazard Test for Electrical and Electronic Products" consists of the following parts.

---Part 1.Terminology of fire test;

---Part 2.General rules for fire hazard assessment guidelines;

---Part 5.Test flame needle flame test method device, confirmation test method and guidance;

---Part 9.Guidelines for Fire Hazard Assessment, General Rules for Preselected Test Procedures;

---Part 10.Glow wire/hot wire basic test method Glow wire device and general test method;

---Part 11.Glow wire/hot wire basic test method Glow wire flammability test method of finished product (GWEPT);

--- Part 12.Glow-wire/hot-wire basic test method. Glow-wire flammability index (GWFI) test method for materials;

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---Part 14.Test flame 1kW nominal pre-mixed flame device, confirmation test method and guide;

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---Part 41.Calculation and explanation of the results of the toxicity evaluation test of the combustion stream;

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---Part 45.Fire hazard assessment guidelines for fire safety engineering;

--- Part 46.Determination of characteristic heat flux during ignition of non-contact flame source of test flame.

This part is part 29 of GB/T 5169.

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

This part replaces GB/T 5169.29-2008 "Fire Hazard Test of Electrical and Electronic Products Part 29.General Rules for Heat Release", and

Compared with GB/T 5169.29-2008, the main technical changes are as follows.

---Modified the normative references (see Chapter 2, Chapter 2 of the.2008 edition);

---Modified terms and definitions (see Chapter 3, Chapter 3 of the.2008 edition);

---Modified the content of 4.2.2, 4.2.4, 6.4 (see 4.2.2, 4.2.4, 6.4, 4.2.2, 4.2.4, 6.4 of the.2008 edition);

---Added 6.5 declarative content (see 6.5).

The translation method used in this section is equivalent to IEC 60695-8-1.2016 "Fire Hazard Test Part 8-1.General Rules for Heat Release".

The Chinese documents that have a consistent correspondence with the international documents cited in this section are as follows.

---GB/T 5169.30-2020 Fire hazard test of electric and electronic products Part 30.Summary of heat release test methods and

Correlation (IEC 60695-8-2.2016, IDT)

---GB/T 16499-2017 Compilation of electrical and electronic safety publications and basic safety publications and multi-disciplinary shared safety publications

Guidelines for the application of objects (IEC Guide104.2010, NEQ)

---GB/T 20002.4-2015 Drafting of specific content in the standard Part 4.Safety related content in the standard (ISO /IEC

Guide51.2014,MOD)

This section has made the following editorial changes.

---In order to be consistent with the existing standard series, the name of this part is changed to "Fire Hazard Test of Electrical and Electronic Products Part 29.Heat Release

General Provisions.

This part was proposed by China Electrical Equipment Industry Association.

This part is under the jurisdiction of the National Standardization Technical Committee for Fire Hazard Testing of Electrical and Electronic Products (SAC/TC300).

Drafting organizations of this section. China National Electrical Equipment Research Institute Co., Ltd., Shenzhen Institute of Inspection and Quarantine, Industry and Information Technology

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Equipment Co., Ltd., Weikai Testing Technology Co., Ltd., Shandong Product Quality Inspection Institute, Shenzhen Metrology Quality Inspection Institute, Guangzhou Hai

Technical Center, Schneider Electric (China) Co., Ltd. Shanghai Branch, Beijing Tairuite Testing Technology Service Co., Ltd., Shenzhen Sea

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Introduction

The design of all electrical and electronic products needs to consider fire risk and potential fire hazards. The design of components, circuits and equipment

The purpose of the screening of materials and materials is to reduce the potential fire risk to the allowable range, even if there is foreseeable misuse, failure, and failure.

is also like this. IEC 60695-1-10 [1] provides guidelines on how to achieve this goal.

Fires involving electrical and electronic products may also be caused by external non-electric heat sources. The overall risk assessment should consider this factor.

The purpose of the IEC 60695 series of standards is to save lives and protect property by reducing the number of fires or reducing the consequences of fires. it

able to pass.