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ICS 13.220.40; 29.020
CCS K 04

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 5169.39-2015

Fire hazard testing for electric and electronic products -- Part 39: Toxicity of fire effluent -- Use and interpretation of test results

电工电子产品着火危险试验 第39部分：燃烧流的毒性 试验结果的使用和说明

(English Translation)

Issued on: October 9, 2015 **Implemented on: May 1, 2016**

Issued by: Standardization Administration of China

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Foreword

GB/T 5169 "Fire hazard testing for electric and electronic products" have or plan to release the following sections.

--- Part 1. Terminology concerning fire tests;

--- Part 2. Guidance for assessing the fire hazard - General;

--- Part 5. Test flames - Needle-flame test methods for confirming test methods and guidelines;

--- Part 9. Guidance for assessing the fire hazard of preselection testing procedures - General;

--- Part 10. Glowing/hot wire based test methods - Glow - wire apparatus and common test procedure;

--- Part 11. Glowing/hot wire based glow wire flammability test methods of the finished product;

--- Part 12. Glowing/hot wire based test methods for materials glow wire flammability index (GWFI) test methods;

--- Part 13. Glowing/hot wire based test methods - Glow - wire ignition temperature materials (GWIT) test methods;

--- Part 14. Test flames - 1kW nominal pre-mixed flame - Apparatus, confirmatory test arrangement and guidance;

--- Part 15. Test flames - 500W flames - Apparatus and confirmation test methods;

--- Part 16. Test flames - 50W horizontal and vertical flame test methods;

--- Part 17. Test flames - 500W flame test methods;

--- Part 18. General toxic combustion stream;

--- Part 19. Abnormal heat - Mould stress relief distortion test;

--- Part 20. Surface spread of flame test methods - Summary and relevance;

--- Part 21. Abnormal heat - Ball pressure test;

--- Part 22. Test flames - 50W flames - Apparatus and confirmation test methods;

--- Part 23. Test flames tubular material 500W vertical flame test methods for the polymerization;

--- Part 24. Guidance for assessing the fire hazard insulating liquid;

--- Part 25. Smoke obscuration - General;

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--- Part 26. Smoke obscuration - Summary and relevance of test methods;

--- Part 27. Smoke obscuration - Small-scale static test instrument described;

--- Part 28. Smoke obscuration - Small-scale static test material;

--- Part 29. Heat release - General;

--- Part 30. Heat release - Summary and relevance of test methods;

--- Part 31. Surface spread of flame - General;

--- Part 32. Heat release heat insulating fluid is released;

--- Part 33. Guidance for assessing the fire hazard from flammable General;

--- Part 34. Guidance for assessing the fire hazard from flammable Test methods - Summary and relevance;

--- Part 35. General corrosion of combustion flow hazards;

--- Part 36. corrosive combustion flow hazards Summary and relevance of test methods;

--- Part 38. Toxicity Test Methods for combustion flows Summary and relevance;

--- Part 39. Toxicity test results illustrate the use and combustion stream;

--- Part 40. Toxic poison flow combustion efficiency device and test methods for assessment;

--- Part 41. Toxicity toxic combustion flow calculation and assessment of the effectiveness of the test results described;

--- Part 42. Test flames Confirmation Test Guidelines;

--- Part 44. Guidance for assessing the fire hazard fire hazard assessment.

This section GB/T 5169 Part 39 of.

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

This section uses the translation method identical with IEC 60695-7-3:2011 "Fire hazard testing - Part 7-3. Toxicity test combustion stream Test results and use instructions. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 5169.2-2013 Fire hazard testing for electric and electronic products - Part 2. Guidance for assessing the fire hazard - General (IEC 60695-1-10:2009, IDT);

--- GB/T 5169.18-2013 Fire hazard testing for electric and electronic products - Part 18. General toxicity of combustion flow (IEC 60695-7-1:2010, IDT);

--- GB/T 5169.38-2014 Fire hazard testing for electric and electronic products - Part 38. Test

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methods for toxicity of combustion flow Summary and relevance (IEC 60695-7-2:2011, IDT);

--- GB/T 5169.44-2013 Fire hazard testing for electric and electronic products - Part 44. Guidance for assessing the fire hazard of fire Risk assessment (IEC 60695-1-11:2010, IDT).

This part made the following editorial changes.

--- Consistent with the existing standard series, the standard name will be changed to "Fire hazard testing for electric and electronic products - Part 39. combustion stream Use toxicity test results and description ";

--- Deleted the last two paragraphs of Chapter 1 of informative content;

--- The second chapter of international standards and guidelines for the preparation IEC Guide104 ISO/IEC Guide51 to "References." this part is proposed by the China Electrical Equipment Industrial Association.

This section hazard testing Standardization Technical Committee (SAC/TC300) is administered by the National Electrical and Electronic Products fire.

This section is responsible for drafting units. China Electric Apparatus Research Institute Limited.

Participated in the drafting of this section. Dongguan Comprehensive Inspection & Quarantine Technology Center, Shenzhen CIQ, public Abe Sichuan Fire Research Institute, Guangdong health benefits Technology Co., Ltd., Beijing Terrett detection technology services limited liability company, CVC detection Technology Co., Ltd., Dongguan City, the Hua Electronic Technology Co., Ltd., Guangdong Entry-Exit Inspection and Quarantine Bureau Technology Center, Shandong Province products Quality Inspection Institute.

Introduction

Electric and electronic products are often involved in the fire. However, except for some specific places (such as power plants, transportation tunnels and heavy traffic computer Room), the electrical and electronic products in quantity is not usually constitute a major source of risk of poisoning. For example, in the family home and public places, electrician Electronic products, compared with other items (such as furniture) is a very small flow of combustion sources.

GB/T 5169 and IEC 60695-7 series of standards publications involved in the toxicity of combustion flow is based on ISO/TC92 in fire safety Studies constantly evolved.

This part of ISO/TC92/SC3 developed fire poisoning hazard standards (such as ISO 13344:2004, ISO 13571:2007, ISO 16312-1, ISO/T R16312-2, ISO 19701, ISO 19702 is consistent and ISO 19706) fire safety principles described herein. electrician Fire hazard

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