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

GB/T 5169.5-2008

**Fire hazard testing for electric and electronic products -- Part 5:
Test flames -- Needle test method -- Apparatus, confirmatory
arrangement and guidance**

(English Translation)

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Foreword

GB/T 5169 "Fire hazard testing for electric and electronic products" consists of the following parts.

- GB/T 5169.1-2007 Fire hazard testing for electric and electronic products - Part

1 Terminology concerning fire tests (IEC 60695-4:2005, IDT)

- GB/T 5169.2-2002 Fire hazard testing for electric and electronic products - Part

2 Guidance for assessing the fire hazard - General guidelines (IEC 60695-1-

1:1999, IDT)

- GB/T 5169.3-2005 Fire hazard testing for electric and electronic products - Part

3 Guidance for the preparation of requirements and test specifications for

assessing fire hazard of electronic components (IEC 60695-1-2.1982, IDT)

- GB/T 5169.5-2008 Fire hazard testing for electric and electronic products - Part

5 Test flames - Needle test method - Apparatus confirmatory arrangement and

guidance (IEC 60695-11-5.2004, IDT)

- GB/T 5169.9-2006 Fire hazard testing for electric and electronic products - Part

9 Guidance for assessing the fire hazard - Preselection testing procedures -

General guidelines (IEC 60695-1-30.2002, IDT)

- GB/T 5169.10-2006 Fire hazard testing for electric and electronic products - Part

10 Glow/hot-wire based test methods - Glow-wire apparatus and common test

procedure (IEC 60695-2-10.2000, IDT)

- GB/T 5169.11-2006 Fire hazard testing for electric and electronic products - Part

11 Glowing/hot-wire based test methods - Glow-wire flammability test method

for end-products (IEC 60695-2-11.2000, IDT)

- GB/T 5169.12-2006 Fire hazard testing for electric and electronic products - Part

12 Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI)

test method for materials (IEC 60695-2-12.2000, IDT)

- GB/T 5169.13-2006 Fire hazard testing for electric and electronic product - Part

13 Glowing/hot-wire based test methods - Glow-wire ignition temperature

(GWIT) test method for materials (IEC 60695-2-13.2000, IDT)

- GB/T 5169.14-2007 Fire hazard testing for electric and electronic products - Part

14 Test flames - 1 kW nominal pre-mixed flame - Apparatus confirmatory test

arrangement and guidance (IEC 60695-11-2.2003, IDT)

- GB/T 5169.15-2008 Fire hazard testing for electric and electronic products - Part

15 Test flames - 500 W flames - Apparatus and confirmational test methods

(IEC/TS 60695-11-3.2004, IDT)

- GB/T 5169.16-2008 Fire hazard testing for electric and electronic products - Part

16 Test flames - 50 W horizontal and vertical flame test methods (IEC 60695-

11-10.2003, IDT)

- GB/T 5169.17-2008 Fire hazard testing for electric and electronic products - Part

17 Test flames - 500 W flame test methods (IEC 60695-11-20.2003, IDT)

- GB/T 5169.18-2005 Fire hazard testing for electric and electronic products - Part

18 Toxicity of fire effluent - General guidance (IEC 60695-7-1.1993, IDT)

- GB/T 5169.19-2006 Fire hazard testing for electric and electronic products - Part

19 Abnormal heat - Mould stress relief distortion test (IEC 60695-10-3.2002,

IDT)

- GB/T 5169.20-2006 Fire hazard testing for electric and electronic products - Part

20 Surface spread of flame - Summary and relevance of test methods (IEC/TS

60695-9-2.2001, IDT)

- GB/T 5169.21-2006 Fire hazard testing for electric and electronic products - Part

21 Abnormal heat - Ball pressure test (IEC 60695-10-2.2003, IDT)

- GB/T 5169.22-2008 Fire hazard testing for electric and electronic products - Part

22 Test flames - 50 W flame - Apparatus and confirmational test method

(IEC/TS 60695-11-4.2004, IDT)

- GB/T 5169.23-2008 Fire hazard testing for electric and electronic products - Part

23 Test flames - 500W vertical flame test method for tubular polymeric materials

(IEC/TS 60695-11-21.2005, IDT)

- GB/T 5169.24-2008 Fire hazard testing for electric and electronic products - Part

24 Guidance for assessing the fire hazard - Insulating liquids (IEC/TS 60695-

1-40.2002, IDT)

- GB/T 5169.25-2008 Fire hazard testing for electric and electronic products - Part

25 Smoke obscuration - General guidance (IEC 60695-6-1.2005, IDT)

- GB/T 5169.26-2008 Fire hazard testing for electric and electronic products - Part

26 Smoke obscuration - Summary and relevance of test methods (IEC 60695-

6-2.2005, IDT)

- GB/T 5169.27-2008 Fire hazard testing for electric and electronic products - Part