

ICS 97.130.20
CCS J 73



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

GB/T 21000.2-2007

**Commercial refrigerated cabinets -- Test methods -- Part 2: Test
for accidental mechanical contact**

商用冷藏柜 试验方法 第2部分: 偶然机械性接触试验
(English Translation)

Issued on: July 27, 2007

Implemented on: December 1, 2007

Issued by: Standardization Administration of China

Table of Contents

Foreword
1 Scope
2 Normative references
3 Test finger
4 Test Procedure
5 Test record

Foreword

GB/T 21000 "Commercial refrigerated cabinets - Test methods" is divided into two parts.

--- Part 1. General test conditions and temperature test;

--- Part 2. Test for accidental mechanical contact.

This part of GB/T 21000 Part 2.

This part identical with ISO 1992-8. 1978 "Commercial refrigerated cabinets - Test methods - Part 8. Test for accidental mechanical contact." for ease of use, this section made the following editorial changes.

a) an increase in Chapter 2, normative references, according to the chapter-based ISO 1992-8. 1978 original "test refers to Chapter 2," a reference to IEC standards gathered from;

b) Other chapters in this article based on the original choreography consecutive, reg number is different.

This part is proposed by the China Association of Refrigeration.

This part of the National Standardization Technical Committee refrigeration.

This section is drafted. domestic trade Engineering Design Institute, Tianjin University, Dalian Sanyo Cold Chain Co., Ltd., Haier Group, Shanghai Highly Nakano Refrigerators Co., Ltd.

1 Scope

This section GB/T 21000 regulations for commercial refrigerated cabinets and display of food sales under normal conditions of use use of IEC standards it means test carried out by the cabinet to prevent the opening of a security test mechanical contact accident. For the

test should be used for occasional electric shock IEC the relevant standard test.

2 Normative references

The following documents contain provisions which, through reference GB/T 21000 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

Part 1 GB 4706.1 Safety of household and similar electrical appliances. General requirements (GB 4706.1-2005, IEC 60335-1.

2004 (Ed4.1), IDT)

SB10424-2007 Household and similar electrical appliances brought from home or remote condensing unit or compressor for commercial refrigeration appliances Particular requirements (IEC 60335-2-89:2005, IDT)

3 Test finger

Used in the test finger shall comply with GB 4706.1 and SB10424-2007 Chapter 8.

- a) test finger joint, as shown in Figure 1;
- b) the same size straight no joint test finger.

4 Test Procedure

4.1

The test should be refrigerated cabinet power, and moving parts (eg fan blades) rotated or moved so that they are as close to the test finger.

All kinds of various components of the former 4.2 test should be refrigerated cabinet without the aid of tools can be manually removed all been dismantled. However, the storage tank panels, Wind pipe cover and fan cover, even if they are without the aid of tools can also be disassembled by hand, still remain in place.

4.3

In addition to the ground and is commonly used in mass exceeding 40kg refrigerated cabinet is not inclined, in any possible position, with obvious force is applied Applied to the test finger.

4.4

pairs test finger joints can not be inserted into the openings, then using straight joints no urging to 30N test means do insert test, if straight irrelevant Section test finger can be inserted into this opening, and then repeat the experiment test finger joints, the joints need should test finger through this opening.

5 Test record

Test records should include the following aspects.

- a) joint test finger inserts are in contact with the rotating member;
- b) straight without any joints opening test finger is inserted;
- c) whether the joint test finger inserted again into contact with the rotating member.

GB/T 21000.2-2007/ISO 1992-8. 1978