

ICS 19.080

CCS N 09



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

GB 4793.3-2008

Replacing GB 4793.3-2001

**Safety requirements for electrical equipment for measurement,
control, and laboratory use -- Part 3: Particular requirements for
laboratory equipment for mixing and stirring**

(English Translation)

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Foreword

All technical contents of this section is mandatory.

GB 4793 "measurement, control and laboratory safety requirements for electrical equipment" is currently divided into seven parts.

- Part 1. General requirements (IEC 61010-1);
- Part 2. Particular electrical measurement and test requirements held and hand operated current sensors (IEC 61010-2-032);
- Part 3. laboratory mixing and stirring equipment Particular requirements (IEC 61010-2-051);
- Part 4. Particular requirements for laboratory use (IEC 61010-2-041) Autoclave treatment of medical material;
- Part 5. Safety electrical measurement and test requirements of the handheld probe assembly (IEC 61010-031);
- Part 6. Laboratory Particular requirements (IEC 61010-2-010) heating of materials;
- part 7. Particular requirements for laboratory centrifuges (IEC 61010-2-020).

Note: The name of the section will change with changes in IEC standard names.

This is Part of 3 GB 4793.

This section is equivalent to using IEC 61010-2-051.2005 "2-051 portion of measurement,

control and laboratory safety requirements for electrical equipment for

Point. Particular requirements for laboratory mixing and stirring equipment "(in English).

Technical content, structure, and expression from the text

IEC 61010-2-051.2005 exactly the same.

For ease of use, the present editorial changes made the following section.

--- with a decimal point "." Instead of a comma as the decimal point "."

--- omitted 61010-2-051 IEC .2005 contents Foreword.

--- For IEC 61010-2-051.2005 references other international standards have been adopted as identical or modified our standards, this

Partially replaced with corresponding international standards of national standards or industry standards; the rest No equivalent or modify adopted as our standard

Quasi-international standards, are directly referenced in this section.

This section is GB 4793.3-2001 "measurement, control and laboratory use with electrical equipment safety laboratory mixing and stirring apparatus

Special requirements "(IEC 61010-2-051.1995, IDT) revision.

This section must be combined GB 4793.1 "measurement, control and laboratory use Part 1 safety requirements for electrical equipment. General Requirements"

Since use. Stated in this section "applicable" portion represents the corresponding strips GB 4793.1 apply to this section; this section states that "place" or

"Edit" section, to show that this part of the article subject; in this section indicate the "increase" portion, in addition to meeting indicate corresponding GB 4793.1

To section, this section must meet the increased strip. In order to distinguish the bar GB 4793.1, this part of the increase in the number of bars 101 open

Beginning, e.g. 7.2.101.

This part of GB 4793.3-2001 have more minor changes, some of the provision was changed in the text, along with a standard structure

GB 4793.1-2007 been adjusted.

This section was proposed by China Machinery Industry Federation.

This part of the jurisdiction of the National measurement, control and electrical equipment Safety Laboratory Standardization Technical Committee (SAC/TC338).

The drafting of this section. of Instrumentation Comprehensive Economic Institute of Technology.

1 Scope and Purpose

Except as follows, GB 4793.1 Chapter 1 apply.

1.1 Scope

instead.

Replace the entire text with the following.

This section applies to the GB 4793 for mechanically mixing and stirring an electric laboratory equipment and accessories, which materials influence the mechanical energy

And attachment shape, size and uniformity. Such apparatus may include heating means.

NOTE: If the whole or part of the device both are within the scope of this section, and belongs to one or more other partial range GB 4793, then it needs to meet

Requirements of other relevant standards in GB 4793. Requirements apparatus having heating means, see GB 4793.6.

2 Normative references

Terms of the following documents constitute provisions of this section by reference in this section 4793 of the GB . For dated references,

All subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encouraged to reach an agreement under this section

Whether the parties to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 4793.1 measurement, control and laboratory use Part 1 safety requirements for electrical equipment. General requirements (GB 4793.1-2007,

IEC 61010-1:2001, IDT)

GB 4793.1 Chapter 2 apply.

3 Terms and Definitions

GB 4793.1 Chapter 3 apply.

4 Test

GB 4793.1 Chapter 4 shall apply.

5 Marking and documentation

Except as follows, GB 4793.1 Chapter 5 are applicable.

5.4.1 Overview

increase.

Note as the original note 1, and 101 add the following note.

101 Note. If a mixer or blender as a handheld device operation may be dangerous, you should have a warning statement for this situation.

5.4.4 operating equipment

increase.

In i) later, add a new entry aa).

aa) if a predetermined part of the stirred vessel and sell hybrid system or if there are other applications, installation instructions stirring vessel.

Add the following new first paragraph after the second paragraph.

GB 4793.3-2008/IEC 61010-2-051.2005

In the description shall be given a warning to prohibit the use of equipment or hazardous use of hazardous materials outside the range of the equipment design.

instead.

Instead of the original second paragraph (now the third paragraph) with the following.

Should let users know if the equipment is not provided or recommended by the manufacturer of the accessory, or not in accordance with the manner specified by the manufacturer

Equipment, the protection provided by the equipment might be reduced.

6 against electric shock

GB 4793.1 Chapter 6 apply.

7 against mechanical hazard

Except as follows, GB 4793.1 Chapter 7 are applicable.

instead.