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

中华人民共和国国家标准

GB 18614-2012

Replace GB 18614-2002

**Fire extinguishing agent
heptafluoropropane (HFC227ea)**

七氟丙烷（HFC227ea）灭火剂

(ISO 14520-9: 2006, Gaseous fire-extinguishing systems—Physical properties and system design—Part 9: HFC227 extinguishant, NEQ)

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China**

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Foreword

Chapter 4 and chapter 6 in this part are mandatory and the rest are recommended.

This standard is drafted according to rules given by GB/T1.1-2009.

This standard has replaced GB 18614-2002 *Fire extinguishing agent--Heptafluoropropane (HFC227ea)* and the major technical changes are the following compared with GB 797-1989:

- Modified the test method of “acidity” (see 5.4, which is the 5.3 in version 2002);
- Added inspection items and test methods of “toxicity” and “extinguishing concentration” (see table 1 in Chapter 4 and 5.8 and 5.9)

This standard is developed based on Redrafted law by referring to ISO 14520-9:2006 "Gas extinguishing systems - Physical properties and system design - Part 9: HFC227ea extinguishing agent "(in English) and it is non-equivalent in conformance with ISO 14520-9:2006.

This standard is proposed by the Ministry of Public Security of the People's Republic of China.

This standard is under the jurisdiction of branch Technical Committee of Fire extinguishing Standardization Technical Committee (SAC / TC 113/SC 3).

Drafting unit of this part: Tianjin Fire Research Institute of Ministry of Public Security

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Previous versions that this standard replaces are as follows:

- GB 18164-2002

Fire extinguishing agent heptafluoropropane (HFC227ea)

1 Scope

This standard specified the terms, definitions, requirements, test method, inspection rules, labeling, packaging, transport, storage and others of Heptafluoropropane (HFC227ea) .

This standard applies to Heptafluoropropane (HFC227ea).

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB/T 191-2008 Packaging - Pictorial marking for handling of goods

GB/T 601 Chemical reagent--Preparations of standard volumetric solutions

GB/T 603 Chemical reagent--Preparations of reagent solutions for use in test methods

GB 5749 Standards for drinking water quality

GB/T 5907 Fundamental terminology of fire protection; Part 1

GB/T 6682 Water for analytical laboratory use - Specification and test methods

GB/T 7376 Determination of micro-amounts of water in industrial Fluorinated alkane

GB 14193 Rules for filling of liquefied gas cylinders

GB 14922.1 Laboratory animal--standards and monitoring for parasitology

GB 14922.2 Laboratory animal—Microbiological standards and monitoring

GB 14923 Laboratory animal - Genetic quality control of mammalian laboratory animals

GB 14924.3 Laboratory animals - Nutrients for formula feeds

GB 14925 Laboratory animal - Requirements of environment and housing facilities

GB/T 20702-2006 Test method for extinguishing property of gaseous extinguishing agent

3 Terms and definitions

The following terms and definitions defined in GB/T 5907 and GB/T 20702-2006 apply to this document.



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