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

GB/T 30134-2025

Replacing GB/T 30134-2013

Specification for cold store management

冷库管理规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 30134-2013 "Cold Storage Management Specification". Compared with GB/T 30134-2013, except for structural adjustment and editing In addition to the changes in performance, the main technical changes are as follows.

- a) Deleted the following. Cold storage production and operation enterprises should establish a quality management system, food hazard analysis and critical control points (HACCP), food Safety management system, occupational health and safety management system, environmental management system and inventory information system (see 4.4 of the 2013 edition);
- b) Added requirements for entrusted storage qualifications and information management (see 4.4, 4.15, 4.16);
- c) Changed the disinfection requirements for warehouses and cold storage rooms (see 4.11, 4.12 of the 2013 edition);
- d) The speed limit requirements for motor vehicles in the factory area have been changed (see 4.12, 4.13.4 of the 2013 edition);
- e) Added hot work requirements (see 4.14);
- f) Added detection methods for ambient temperature and food temperature (see 4.17);
- g) Modified some specific requirements for refrigeration system operation and management

(see 5.1.1, 5.1.9, 5.1.10, 5.1.11, 5.1.12, 5.1.19, 5.1.22, 5.1.1, 5.1.8, 5.1.9, 5.1.10, 5.1.11, 5.1.18, 5.1.21 of the 2013 edition);

h) Added safety management requirements for ammonia refrigeration systems and handling of equipment frost problems (see 5.1.2 and 5.1.13);

i) The content on periodic inspection of safety valves has been deleted (see 5.1.16.5 of the 2013 edition);

j) The cooling water temperature requirements for water-cooled condensers have been changed (see 5.2.3, 5.2.3 of the 2013 edition);

k) Added antifreeze requirements for water supply and drainage (see 5.2.4);

l) Changed the retention period of electrical operation duty records (see 5.3.3, 5.3.3 of the 2013 edition);

m) Modified some contents of warehouse management (see 5.4.3, 5.4.4, 5.4.6, 5.4.18, 5.4.4, 5.4.5, 5.4.6, 5.4.17);

n) Added requirements for the management of refrigerated doors, cleanliness and sanitation of warehouses, and management of refrigeration equipment in warehouses (see 5.4.19 and 5.4.20);

o) Food storage management (see Chapter 6 of the 2013 edition) has been deleted;

p) Changed the refrigerant concentration detection and video acquisition requirements (see 6.3, 6.4, 7.2, 7.3 of the 2013 edition);

q) Added management of public health emergencies (see 8.1, 8.2, 8.3, 8.4, 8.5, and 8.6).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by China Light Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Refrigeration Standardization (SAC/TC119).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2013 as GB/T 30134-2013;
- This is the first revision.

Cold storage management specifications

1 Scope

This document specifies requirements for cold storage operation management, safety facility management, building maintenance management, and public health emergency management.

This document applies to the management of cold storage.

2 Normative references

GB 2893

GB/T 13462

GB/T 28009

GB/T 33454

GB 50072

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Cold storage

A storage building that uses artificial refrigeration for cooling and has thermal insulation functions.

Note. Including warehouse, refrigeration room, transformer room, etc.

3.2 Storehouse

The main body of the cold storage building complex.

Note. Includes cold processing rooms, cold storage rooms and buildings that directly serve them (such as stairwells, elevator rooms, hallways, etc.).

3.3

A room used to house refrigeration equipment and operating systems and their related facilities.

Note. It includes refrigeration machine room, equipment room and control room, transformer room and machine repair room, etc.

3.4 A general term for components used in refrigeration systems such as gas separators

Refrigeration compressor, oil separator, condenser, liquid receiver, intercooler, gas-liquid separator, low-pressure circulation barrel, oil collector, evaporator, air