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

GB/T 44494-2024

**Household and similar refrigerating appliances - Food
preservation**

家用和类似用途制冷器具 食品保鲜

(English Translation)

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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 is required.

This document is equivalent to IEC 63169:2020 "Food preservation in cooling and freezing appliances for household and similar purposes".

The following minimal editorial changes were made to this document.

--The name of the standard is changed to "Food Preservation in Refrigerating Appliances for Household and Similar Purposes".

1 Scope

This document describes a method for simulating the growth of foliar crops in one or more test areas with specified temperature, humidity, and air flow conditions.

Test method for loss of weight of products.

The method described in this document is only applicable to spaces with a length x width x height greater than 200 mm x 150 mm x 100 mm.

The purpose of the test is to measure the rate of weight loss by measuring the weight of the test load before and after the test within a given time.

Note: Weight loss is one of the factors to consider when evaluating product shelf life. Other factors, such as condensation, will be discussed later.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

IEC 62552-1:2015 Characteristics and test methods of household refrigerating appliances Part 1: General requirements ing appliances-Characteristics and test methods-Part 1: General requirements) Note. GB/T 8059-2016 Household and similar refrigerating appliances (IEC 62552:2015, NEQ) IEC 62552-3:2015 Characteristics and test methods of household refrigerating appliances Part 3: Power consumption and capacity (Household re frigerating appliances-Characteristics and test methods-Part 3: Energy consumption and volumes) Note. GB/T 8059-2016 Household and similar refrigerating appliances (IEC 62552:2015, NEQ)

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in IEC 62552-1:2015 and listed below apply.

Test zone

The space inside the refrigeration appliance where weightlessness testing is carried out.

NOTE 1: This space is usually a vegetable drawer or crisper, but can also be any other compartment, sub-compartment or convenience functional area, see IEC 62552-1.

3.3.1, 3.3.2 and 3.3.3 of 2015. The manufacturer shall fully describe any test areas to be tested.

NOTE 2: Any area in a refrigerator may be a test area. The test area needs to be separated from other areas in the same compartment or sub-compartment, or at least partially.

seal.

Test tray

A tray of specific size, with a certain number of test pieces placed on it and filled with a certain mass of water.

Note: The files used for 3D printing are in Appendix B. In the weightlessness test, each test area uses a large test tray that can hold 18 test pieces.

weight loss

The weight of water lost from the test load between two moments in time.

Note: The unit is gram (g).