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

GB/T 15549-2022

Replacing GB/T 15549-1995

**Sensory analysis - Methodology - Initiation and training of
assessors in the detection and recognition of odours**

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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 15549-1995 "Introduction and training for evaluators in sensory analysis methodologies for the detection and identification of odors".

Compared with GB/T 15549-1995, except for structural adjustment and editorial changes, the main technical changes are as follows.

a) Changed the expression of "test articles" to "reagents and materials" (see Chapter 5, Chapter 4 of the 1995 edition);

b) Changed the expression of "substance" to "material" (see 7.1.1.2, 7.1.2.2, 7.1.3.2, 6.1.1.2, 6.1.2.2, 1995 edition

6.1.3.2);

c) Changed the expression of "apparatus" to "apparatus" (see 7.1.1.3, 7.1.2.3, 7.1.3.3, 6.1.1.2, 6.1.2.2, 1995 edition

6.1.3.2);

d) Changed "brown glass bottle" to "dark glass bottle" (see 7.1.1.3.1, 7.1.2.3.3, 6.1.1.3, 6.1.2.3.3 of the 1995 edition);

e) Changed the requirements for the use of smell strips (see 7.1.2.5, 6.1.2.5 of the 1995 edition);

f) Changed the requirements for straw material (see 7.2.1.3.3, 6.2.1.3.3 of the 1995 edition);

g) The structural representation of "d-limonene, citral, l-menthol, beta-caryophyllene, alpha-santalol, 2-methylisoborneol" in A.2 and A.3 has been changed

Form, replaced some reagents, changed to "D-limonene, citral (neral geranial), L-menthol, diacetyl, gamma-nonyl

Esters, beta-ionone" (see Table A.2, Table A.3, Table A.2, Table A.3 of the 1995 edition).

This document is equivalent to ISO 5496:2006 "Introduction and training for evaluators in sensory analysis methodology for the detection and identification of odors".

Training".

This document adds a "Terms and Definitions" chapter (see Chapter 3).

The following minimal editorial changes have been made to this document.

a) Incorporated the amendments of ISO 5496:2006/Amd1:2018;

b) Changed some footnotes in ISO 5496:2006 and replaced them with notes in the corresponding chapters;

c) Corrected the marking position of filter paper sniffing strips in ISO 5496:2006.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document describes several different methods for confirming the ability of assessors to identify and describe odorous products and for training assessors.

The methods described in this document are suitable for use in the agri-food industry and other industries that use olfactory analysis (e.g. flavors, fragrances and cosmetics)

Wait).

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

ISO 6658 Sensory analysis-Methodology-Generalguidance

Note. GB/T 10220-2012 General Introduction to Sensory Analysis Methodology (ISO 6658.2005, IDT)

ISO 8589 Sensory analysis General guidelines for the establishment of sensory analysis laboratories (Sensoryanalysis-Generalguidancefor

Note. GB/T 13868-2009 Sensory Analysis General Guidelines for Establishing Sensory Analysis Laboratories (ISO 8589.2007, IDT)

3 Terms and Definitions

This document does not have terms and definitions that need to be defined.

4 principles

Odor substances in different forms and concentrations are provided to the evaluators following the procedures specified in this document. It is up to the evaluators to evaluate and identify the

detect the odors emitted by these substances and record the results.

5.4 Odor substances, as pure as possible.

- a) Select the substances given in Table A.2 of Appendix A and use them at the recommended concentration;
- b) Select other available substances according to the purpose of the experiment or the requirements of the relevant industry.

During the training phase, the odorants collected should include several representative

odorants (such as terpenes, floral aromas) and the

Odors tested (to ensure that the evaluator does not have an olfactory deficit for these odors).

In addition, typical odors also include odors that the evaluator may encounter in subsequent evaluations (such as typical odors of cleaning agents and printing inks).

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