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

GB/T 46555-2025

Replacing GB/T 16291.2-2010

Sensory analysis - Selection and training of sensory assessors

感官分析 感官评价员的选拔和培训

(English Translation)

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References

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces GB/T 16291.2-2010 "General Guidelines for the Selection, Training and Management of Sensory Analysis Evaluators Part 2: Experts" Compared with GB/T 16291.2-2010, the main technical changes in the "Evaluator" standard, apart from structural adjustments and editorial modifications, are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2010 edition);
- b) Added the terms "junior sensory evaluator," "expert," "sensory evaluation team," "sensory evaluation team training," "uniformity," and "round." (See 3.2, 3.4, 3.6, 3.7, 3.10 and 3.11);
- c) The terms "reproducibility condition" and "repetitiveness condition" have been removed (see 3.5 and 3.7 of the 2010 edition);
- d) The recruitment, background information, and pre-selection of sensory evaluators have been added (see 4.2, 4.3);
- e) Sensory screening has been added (see Chapter 5);
- f) The selection process for expert evaluators has been removed (see sections 4.1 and 4.2 of the 2010 edition);

- g) The training content for sensory evaluators has been revised (see Chapter 6, Chapter 5 of the 2010 edition);
- h) Supervision and testing of evaluator performance has been removed (see Chapter 6 of the 2010 edition);
- i) Added verification of evaluation team performance and training effectiveness (see Chapter 7);
- j) The management and maintenance of the group have been modified, and an additional training module has been added (see 8.1~8.5, 7.1~7.4 in the 2010 version);
- k) The repetitive and reproducible information appendix on evaluators and evaluation teams has been removed (see Appendix A in the 2010 edition);
- l) Added color vision screening reference procedures, texture difference tests, removers and taste removers, common scale examples, and scale practice exercises.

Examples of sorting before scaling and examples of scaling tests using two standard samples are provided in the appendix (see Appendix).

A~Appendix G).

This document is equivalent to ISO 8586:2023 "Sensory analysis - Selection and training of sensory evaluators".

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

- a) Additional information on the terminology has been added (see 3.1, 3.4~3.11);
- b) Change "Table 3" in Table 10 to "Table 2" to correct the error in the original text;
- c) The duplicate content in section 6.5.1 and section 6.5.3 has been deleted, and errors in the original text have been corrected;
- d) Change "Rating 1" in Appendix F to "Rating" to correct the error in the original text.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Sensory Analysis (SAC/TC566).

1 Scope

This document establishes the criteria for selecting preferred evaluators and expert evaluators to conduct sensory evaluations of food and beverages, as well as household and personal care products.

Guidelines and training procedures.

This document applies to all industries related to product evaluation through sensory organs.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

ISO 5492 Sensory analysis - Vocabulary Note. GB/T 10221-2021 Sensory Analysis Terminology (ISO 5492:2008, IDT) ISO 6658 Sensory analysis - Methodology - General guidance Note. GB/T 10220-2012 General Methodology of Sensory Analysis (ISO 6658:2005, IDT) ISO 8589 Sensory analysis - General guidance for establishing a sensory analysis laboratory Note. GB/T 13868-2009 Sensory analysis - General guidelines for establishing sensory analysis laboratories (ISO 8589:2007, IDT)

3 Terms and Definitions

The terms and definitions defined in ISO 5492 and the following terms and definitions apply to this document.

The URLs for the terminology databases maintained by ISO and IEC for standardization are as follows.

Sensory evaluator

Personnel participating in sensory testing.

[Source. GB/T 10221-2021, 3.5, with modifications] 3.2 Sensory evaluators who have passed the sensory ability screening (3.1).

Sensory evaluators who have received training in one or more sensory methods (3.1).