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

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**Sensory analysis methodology - Guidelines for the
measurement of the performance of a quantitative descriptive
sensory panel**

感官分析方法 定量描述感官评价小组表现评估导则
(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 ISO 11132:2021 "Sensory analysis methodology - Guidelines for quantitative description of sensory panel performance evaluation".

The following minimal editorial changes were made to this document.

- a) To coordinate with the existing standards, the name of the standard is changed to "Sensory Analysis Methods for Quantitative Description of Sensory Evaluation Panel Performance Evaluation" Guidelines;
- b) Added the description of "ns" in Table 5, and changed "MS4 = s1/v1" to "MS4 = s4/v4" to correct the original error;
- c) Deleted two formulas in 6.4.3 and 7.4 and corrected the errors in the original text;
- d) The order of b) and c) in Figure A.1 has been corrected to rectify the error in the original text.

1 Scope

This document provides guidance for the quantitative description of the overall performance of a sensory evaluation panel and the evaluation of individual assessors.

This document is applicable to the verification of the effectiveness of training of individual assessors or groups as a whole, the management of the performance of established assessment teams, and the evaluation of the ability of the group and individual evaluators to distinguish different products, the consistency between different evaluators in the same group, and the evaluators' ability to distinguish between different products.

Performance monitoring and evaluation of repeatability in degree scoring.

This document does not apply to the following situations.

--Use consensus profile (CP), free choice profile (FCP), self-selected feature ranking profile (FP) and dynamic dominant attribute test Descriptive methods such as the TDS (TDS) are used to evaluate group performance, including not recording individual raters' scores and not having a common score for all raters.

A single attribute list or the assessor only indicates the dominant attribute without measuring the strength of the attribute;

-- Evaluation of the reproducibility of the performance of the evaluation group, including comparisons between evaluation groups and the same evaluation group under different conditions (e.g.

Comparison of multiple evaluations conducted at different times.

The methods listed in this document are not exhaustive. The team leader (or sensory

analyst) may use all or part of the methods given in this document.

The performance of sensory panels or individual assessors may be continuously assessed using the methods outlined in the literature, or other appropriate methods.

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.

ISO 5492 Sensory analysis-Vocabulary Note. GB/T 10221-2021 Sensory Analysis Terminology (ISO 5492:2008, IDT)

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in ISO 5492 and the following apply.

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

Consistency agreement the ability of different evaluation panels or evaluators to demonstrate differences in the performance of the same product when scoring a single attribute of the same group of products.

Evaluation panel drift Over time, the evaluation team may have different expectations for a constant reference because the evaluators' sensitivity changes or they become susceptible to bias.