

CCS B 04



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

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**Sensory analysis Guidelines for the use of quantitative
response scales**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this standard is equivalent to ISO 4121.2003 "Guidelines for the Use of Sensory Analysis Quantitative Response Scale."

The Chinese documents that have a consistent correspondence with the international documents cited in this standard are as follows.

---GB/T 10220-2012 Sensory Analysis Methodology Overview (ISO 6658.2005, IDT)

---GB/T 10221-2012 Sensory Analysis Terms (ISO 5492.2008, MOD)

---GB/T 12315-2008 Sensory Analysis Methodology Ranking Method (ISO 8587.2006, IDT)

---GB/T 16291.1-2012 Sensory Analysis, Selection, Training and Management of General Guidelines for Evaluators Part 1. Preferred Evaluators

(ISO 8586-1.1993, MOD)

---GB/T 16291.2-2010 Sensory Analysis, Selection, Training and Management of General Guidelines for Evaluators Part 2. Expert Evaluators

(ISO 8586-2.2008, IDT)

This standard was proposed and managed by the National Standardization Technical Committee for Sensory Analysis (SAC/TC566).

Drafting organizations of this standard. China National Institute of Standardization, China National Tobacco Corporation Zhengzhou Tobacco Research Institute, Jiangsu University, Shanghai University.

1 Scope

This standard gives instructions on quantitative response scales (here response refers to the intensity of perception) and guidelines for its use.

This standard applies to all quantitative evaluations in sensory evaluation, whether it is for overall quantitative evaluation or for specific attributes.

Evaluation, whether it is objective sensory evaluation or subjective preference sensory evaluation.

The scales involved in this standard are measurement scales commonly used in sensory evaluation.

Note the distinction between two common uses of the term "scale", namely the response scale (see 3.1) and the measurement scale (see 3.5).

Note. Application examples are given in Appendix A.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

ISO 5492 Sensory Analysis Terms

ISO 6658 Sensory Analysis Methodology General

ISO 8586(1) Sensory analysis selection, training and management of general guidelines for assessors

1) Since ISO 8586-1 and ISO 8586-2 have been merged into a standard ISO 8586, they remain consistent with the current ISO standard. Here the normative reference document is

adjusted to ISO 8586.

ISO 8587 Sensory Analysis Methodology Ranking Method

3 Terms and definitions

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

3.1

Response scale

The evaluator's quantitative expression of the response intensity of the attribute in the form of numbers, words or pictures.

Note 1. In sensory analysis, the response scale is used to collect and record the evaluator's response to the attribute, and this response can be converted into a number for statistical analysis.

Note 2. In most cases, the term "scale" is used equivalent to "response scale".

3.2

Measure (verb)

The process of quantifying attributes.

3.3

Measurement (noun)

Measurement operation.

3.4

Measurements

The value obtained from the measurement operation.