

Australian Standard<sup>®</sup>

## **Sensory analysis**

### **Part 2.3: Specific methods—Guidelines for the use of quantitative response scales (rating)**



This Australian Standard® was prepared by Committee FT-022, Sensory Analysis. It was approved on behalf of the Council of Standards Australia on 1 May 2007. This Standard was published on 10 August 2007.

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  - Australian Institute of Food Science and Technology Limited
  - Australian Paint Manufacturers' Federation
  - Australian Wine and Brandy Corporation
  - Deakin University
  - Department of Primary Industries and Fisheries Queensland
  - Food Science Australia
  - Food Technology Association of Victoria
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- 

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### **Part 2.3: Specific methods—Guidelines for the use of quantitative response scales (rating)**

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## PREFACE

This Standard was prepared by the Standards Australia Committee FT-022, Sensory Analysis to supersede AS 2542.2.3—1988, *Sensory analysis of foods, Part 2.3: Specific methods—Rating*.

This Standard is identical with, and has been reproduced from ISO 4121:2003, *Sensory analysis—Guidelines for the use of quantitative response scales*.

The objective of this Standard is to provide guidelines describing quantitative response scales (where the response obtained indicates the intensity of perception) and their use when assessing samples.

Appendix ZA provides additional information on Clause 5, Response scales, by covering examples of various types of rating scales and specimen answer forms.

As this Standard is reproduced from an international standard, the following applies:

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text, ‘this International Standard’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Substitute ‘mL’ for ‘ml’ wherever it appears.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
5492      Sensory analysis—Vocabulary	2542      Sensory analysis of foods
	2542.3    Part 3: Glossary of terms

The other ISO documents listed as normative references in Clause 2 have not been adopted as Australian Standards.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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## AUSTRALIAN STANDARD

### Sensory analysis

#### Part 2.3: Specific methods—Guidelines for the use of quantitative response scales (rating)

##### 1 Scope

This International Standard provides guidelines describing quantitative response scales (where the response obtained indicates the intensity of perception) and their use when assessing samples.

It is applicable to all quantitative assessment, whether global or specific and whether objective or hedonic.

It is intentionally limited to the most commonly used measurement scales for sensory assessment.

It is necessary to distinguish between two common uses of the term “scale”: response scale (see 3.1), and measurement scale (see 3.5).

NOTE Annex A gives examples of an application.

##### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5492, *Sensory analysis — Vocabulary*

ISO 6658, *Sensory analysis — Methodology — General guidance*

ISO 8586-1, *Sensory analysis — General guidance for the selection, training and monitoring of assessors — Part 1: Selected assessors*

ISO 8586-2, *Sensory analysis — General guidance for the selection, training and monitoring of assessors — Part 2: Experts*

ISO 8587, *Sensory analysis — Methodology — Ranking*

##### 3 Terms and definitions

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

###### 3.1

###### response scale

means (e.g. numerical, verbal or pictorial) by which an assessor registers a quantitative response

NOTE 1 In sensory analysis, this is a device or tool to capture the reaction of an assessor to some property such that it can be converted into numbers.

NOTE 2 The term “scale” is widely used as being equivalent to the expression “response scale”.