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

Analyse sensorielle — Méthodologie — Initiation et entraînement des sujets à la détection et à la reconnaissance des odeurs



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Foreword

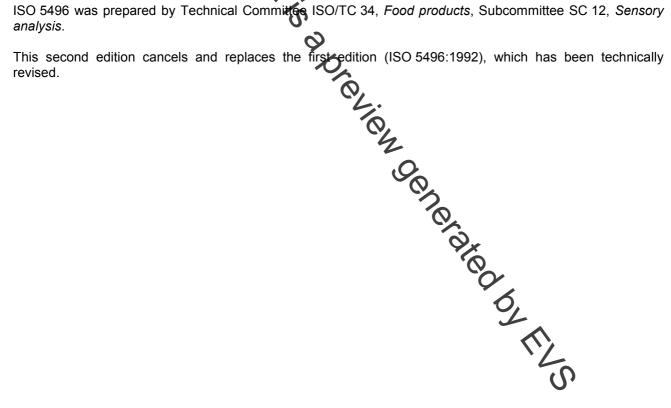
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ISO 5496 was prepared by Technical Committee ISO/TC 34, Food products, Subcommittee SC 12, Sensory



Introduction

Owing to the complexity of olfaction, assessors who are to make up panels need to undergo a familiarization and training process before undertaking any sensory analysis concerning the detection of odours.

This period of initiation, followed by training, is intended to teach assessors to evaluate and to identify odours, to teach them to use the appropriate vocabulary, and also to allow them to improve their individual aptitude.

This International signated provides guidance on the existing techniques used for this purpose.

This International subard provides guidance on the existing techniques used for this purpose. At a later stage, organized should direct the training according to the procedures or specific areas of use and, where necessary, make the election of assessors on the basis of certain criteria.

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

1 Scope

This International Standard describes several types of method for determining the aptitude of assessors and for training assessors to dentify and describe odoriferous products.

The methods described in this International Standard are suitable for use by the agri-foodstuffs industries employing olfactory analysis (e.g. perfumery, cosmetics and aromatics).

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 6658:2005, Sensory analysis — Methodology — General guidance

ISO 8589:—¹⁾, Sensory analysis — General guidance for the design of test rooms

3 Principle

Presentation to the assessors of odoriferous substances in various forms and concentrations, in accordance with the procedures specified in this International Standard.

Assessment and identification by the assessors of the odours given off by these substances and recording of the results.

4 Reagents and materials

- 4.1 Water, neutral, tasteless, still and odourless.
- 4.2 Ethanol, 96,9 % (by volume), free from extraneous odours, even in low concentrations.
- **4.3 Other suitable media**, appropriate to the requirements of the industry concerned.
- 4.4 Odoriferous substances, as pure as possible:
- a) substances chosen from those given in Table A.2, and used at the concentrations proposed, and/or
- b) any other substance deemed to be of interest, depending on the aim of the test or the requirements of the industry concerned.

¹⁾ To be published. (Revision of ISO 8589:1988)