

BS EN ISO 8586:2014

Incorporating corrigendum August 2014



BSI Standards Publication

Sensory analysis — General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors

bsi.

...making excellence a habit.™

This is a preview. [Click here to purchase the full publication.](#)

National foreword

This British Standard is the UK implementation of EN ISO 8586:2014. It is identical to ISO 8586:2012. It supersedes BS ISO 8586:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AW/12, Sensory analysis.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2014.
Published by BSI Standards Limited 2014

ISBN 978 0 580 87466 6

ICS 03.100.30; 67.240

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2013.

Amendments/corrigenda issued since publication

Date	Text affected
30 April 2014	This corrigendum renumbers BS ISO 8586:2012 as BS EN ISO 8586:2014
31 August 2014	Implementation of ISO corrected text 15 June 2014: Table B.3, third column, fourth line, formula for calculation of S_7 corrected.

English Version

**Sensory analysis - General guidelines for the selection, training
and monitoring of selected assessors and expert sensory
assessors (ISO 8586:2012)**

Analyse sensorielle - Lignes directrices générales pour la
sélection, l'entraînement et le contrôle des sujets qualifiés
et sujets sensoriels experts (ISO 8586:2012)

Sensorische Analyse - Allgemeiner Leitfaden für die
Auswahl, Schulung und Überprüfung ausgewählter Prüfer
und Sensoriker (ISO 8586:2012)

This European Standard was approved by CEN on 28 December 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of ISO 8586:2012 has been prepared by Technical Committee ISO/TC 34 “Food products” of the International Organisation for Standardization (ISO) and has been taken over as EN ISO 8586:2014.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2014, and conflicting national standards shall be withdrawn at the latest by July 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 8586-2:2008.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 8586:2012 has been approved by CEN as EN ISO 8586:2014 without any modification.

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Selection of assessors	2
4.1 General	2
4.2 Recruitment, preliminary screening and initiation	2
4.3 Background information and preselection	5
4.4 Screening	7
5 Training of assessors	9
5.1 Principle	9
5.2 General	10
5.3 Assessment procedure	10
5.4 Training of colour, taste, odour and texture	10
5.5 Training in detection and recognition of special tastes and odours	15
5.6 Training in the use of scales	16
5.7 Training in the development and use of descriptors (profiles)	16
5.8 Practice	16
5.9 Specific product training	16
6 Final choice of panels for particular methods	17
6.1 Principle	17
6.2 Difference assessments	17
6.3 Ranking assessment	17
6.4 Rating and scoring	17
6.5 Qualitative descriptive analysis	18
6.6 Quantitative descriptive analysis	18
6.7 Assessors for particular assessments	18
7 Training of experts	19
7.1 General	19
7.2 Sensory memory	19
7.3 Semantic and metric learning of sensory descriptors	19
7.4 Building up a thesaurus of descriptors	19
7.5 Training on assessment conditions	19
8 Monitoring and testing of performance of selected assessors and expert sensory assessors	20
8.1 Objectives	20
8.2 Principle	20
8.3 Analysis of the results	20
9 Management and follow-up of the group	21
9.1 Motivation	21
9.2 Maintaining of skills	21
9.3 Renewal	21
9.4 Retraining	21
Annex A (informative) Repeatability and reproducibility of assessors and panels	22
Annex B (informative) Use of analysis of variance in the choice of selected assessors for scoring	23
Annex C (informative) Example of practical application	26
Bibliography	28