

ISO 8586:2023-04 (E)

Sensory analysis - Selection and training of sensory assessors

Contents		Page
Foreword		v
Introduction		vii
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Recruitment and preselection of subjects	2
4.1	General	2
4.2	Recruitment	4
4.2.1	General	4
4.2.2	Recruitment conditions	4
4.2.3	Types of recruitment	4
4.2.4	Advantages and disadvantages of internal and external recruitment	5
4.2.5	Number of persons to be selected	6
4.3	Background information and preselection	7
4.3.1	Initial aspects	7
4.3.2	Health and psychological criteria	7
4.3.3	Other factors	8
5	Sensory screening	8
5.1	General	8
5.2	Types of screening tests	8
5.3	Colour vision	9
5.4	Ageusia and anosmia	9
5.4.1	General	9
5.4.2	Ageusia	9
5.4.3	Odour recognition test	10
5.5	Texture	11
5.5.1	General	11
5.5.2	Analysis and interpretation of results	12
5.6	Hearing	12
5.7	Descriptive ability	12
5.8	Selection of trainees	13
6	Training of sensory assessors	13
6.1	Principle	13
6.2	General	13
6.3	Assessment procedure	14
6.4	Training exercises	15
6.4.1	Tests for detection of a stimulus	15
6.4.2	Tests for discrimination between levels of intensity of a stimulus	16
6.4.3	Descriptive ability	17
6.4.4	Training in the use of scales	20
6.5	Specific product training	22
6.5.1	General	22
6.5.2	Discrimination assessment	22
6.5.3	Descriptive assessment	22
6.6	Particular methods training	23

6.6.1	Principle	23
6.6.2	Discrimination assessments	23
6.6.3	Ranking assessment	23
6.6.4	Rating and scoring	23
6.6.5	Descriptive sensory analysis	23
6.7	Practice	24
7	Validation of sensory panel performance and training effectiveness	24
8	Management and follow-up of the group	25
8.1	Motivation	25
8.2	Maintaining of skills	25
8.3	Renewal	25
8.4	Retraining	26
8.5	Additional training	26
	Annex A (informative) Alternative colour screening procedure	27
	Annex B (informative) Recognition of difference in textures	29
	Annex C (informative) Cleansers and palate cleansers	30
	Annex D (informative) Examples of most common scales	32
	Annex E (informative) Example of a scaling exercise	33
	Annex F (informative) Example of a ranking and then rating using scales	35
	Annex G (informative) Example of a scaling test with two standards	36
	Bibliography	37